Supplementary materials:

Table S1. Molecular weight distribution in HWP-F

Molecular weight range, Da	HWP-F, %
<180	3.69
180~500	5.55
500~1,000	3.85
1,000~2,000	6.49
2,000~3,000	4.03
3,000~5,000	3.84
5,000~10,000	5.46
>10,000	67.09

HWP-F, Infant formula containing hydrolyzed whey protein.

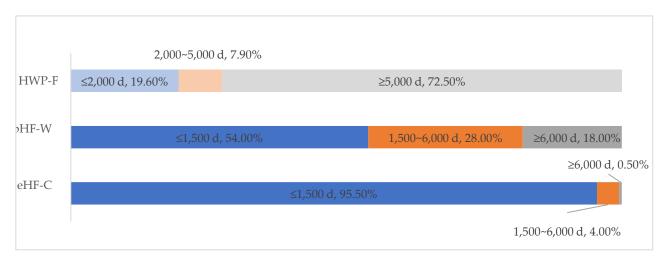


Figure S1. Comparation of Molecular weight distribution between HWP-F and commercial pHF-W and eHF-C. HWP-F, Infant formula containing hydrolyzed whey protein. pHF-W and eHF-C are well-established products [1].

Table S2. Weight, length, head circumference, and BMI and their z-scores at baseline, and 7 and 13 weeks of age of breast-, IWP-F-, and HWP-F-fed term infants (Per protocol analyzed).

	Baseline		<i>p</i> ³ 7wk		7wk	p 3		13wk		p 3	p 4		
	BF	IWP-F	HWP-F		BF	IWP-F	HWP-F	•	BF	IWP-F	HWP-F		
Absolute values 1													
Weight, kg	3.6±0.5	3.5±0.4	3.6±0.5	0.707	5.3±0.5	5.3±0.6	5.2±0.7	0.763	6.5±0.7	6.5±0.6	6.5±0.8	0.926	0.475
Crown-heel Length, cm	51.3±2.1	51.3±2.0	51.7±2.4	0.505	57.4±2.1	57.5±2.2	57.6±2.4	0.894	61.5±2.1	61.7±2.2	61.6±2.8	0.853	0.591
Head circumference, cm	34.9±1.4	34.8±1.2	35.1±1.3	0.604	38.1±1.2	37.7±1.1	38.1±1.3	0.096	39.9±1.1	39.8±1.1	39.9±1.2	0.914	0.234
BMI, kg/m ²	13.5±1.4	13.4±1.2	13.4±1.4	0.907	16.1±1.3	15.9±1.2	15.7±1.6	0.371	17.2±1.5	17.0±1.5	17.1±1.6	0.889	0.699
z-scores ^{1,2}													
Weight-for age z-score	0.20±0.89	0.20±0.76	0.28±0.97	0.836	0.40±0.68	0.42±0.81	0.16±1.05	0.205	0.49±0.73	0.48 ± 0.74	0.35±0.93	0.547	0.310
Length-for-age z-score	0.31±1.11	0.36±1.10	0.52±1.25	0.562	0.42±0.98	0.57±1.04	0.45±1.07	0.720	0.46±0.96	0.54±1.08	0.34±1.23	0.627	0.246
Weight-for-length z-score	-0.35±1.20	-0.40±1.15	-0.42±1.20	0.951	0.15±1.08	-0.00±1.07	-0.07±1.08	0.546	0.28±1.03	0.22±1.02	0.22±1.26	0.940	0.832
Head circumference-forage z-score	0.07±1.13	-0.00±1.00	0.15±1.06	0.738	0.00±0.98	-0.29±0.97	-0.13±1.13	0.321	-0.08±0.88	-0.15±0.92	-0.27±0.98	0.542	0.276
BMI-for-age z-score	0.03±1.02	-0.02±0.88	-0.02±1.07	0.953	0.23±0.88	0.15±0.90	0.02±0.96	0.464	0.33±0.96	0.26±0.93	0.22±1.13	0.840	0.941

BF, breast-fed; IWP-F, Infant formula containing intact whey protein; HWP-F, Infant formula containing hydrolyzed whey protein; BMI, body mass index; SD, standard deviation; IQR, interquartile range. 1 Values are means \pm SDs. 2 z-scores were calculated by using the World Health Organisation (WHO) growth standards. 3 The p values were derived from one-way analysis of variance (ANOVA) model tests for the difference between the three groups. 4 The p values represent the time \times treatment interactions, derived from repeated measures ANOVAs.

Table S3. Gains in weight, length, and head circumference of study infants (Per protocol analyzed).

		2	2		
	BF	IWP-F	HWP-F	p ²	p ³
Weight, g/day ¹					
Baseline – 7 wk	40.0±10.2	41.6±11.8	37.6±14.7	0.215	0.085
Baseline – 13 wk	34.4±6.5	35.1±7.3	34.1±8.6	0.787	0.465
Crown-heel Length, cm/day 1					
Baseline – 7 wk	0.14 ± 0.05	0.15±0.05	0.13±0.05	0.137	0.157
Baseline – 13 wk	0.12±0.02	0.12±0.03	0.12 ± 0.03	0.287	0.337
Head circumference, cm/day 1					
Baseline – 7 wk	0.08 ± 0.03	0.07 ± 0.03	0.07 ± 0.03	0.291	0.224
Baseline – 13 wk	0.06±0.01	0.06±0.02	0.06±0.02	0.629	0.576

BF, breast-fed; IWP-F, Infant formula containing intact whey protein; HWP-F, Infant formula containing hydrolyzed whey protein; ¹Values are means ± SDs; ²The p values were derived from one-way analyses of variance; ³The p values were derived from covariance analyses, adjusting for infant birth weight, gender, recruited center and growth indices at baseline.

Table S4. Feeding tolerance of study infants (Per protocol analyzed).

	BF	IWP-F	HWP-F	p ²
Number of daily feeding ¹				
2wk	9.7±1.9	8.7 ± 1.8^{3}	8.6 ± 1.8^{3}	0.002
7wk	9.4 ± 1.8	8.4 ± 1.8^{3}	8.4 ± 1.6^{3}	0.002
13wk	8.8 ± 1.8	7.7 ± 1.7^{3}	7.8 ± 1.7^{3}	0.002
Volume of formula				
intake, mL/kg/day ¹				
2wk	N/A	127.9±49.2	134.7±53.4	0.470
7wk	N/A	126.7±39.1	153.9±52.6	0.002
13wk	N/A	116.4±35.6	141.3±39.9	0.001
Number of daily crying ¹				
2wk	1.3±2.2	1.2±2.1	1.1±1.7	0.950
7wk	0.9±1.9	1.3±2.2	1.0 ± 1.8	0.441
13wk	0.4 ± 1.2	0.8±1.9	0.7±1.5	0.385

BF, breastfeeding; IWP-F, Infant formula containing intact whey protein; HWP-F, Infant formula containing hydrolyzed whey protein; N/A, not available; 1 Values are expressed as means \pm SDs; 2 p values were derived from ANOVAs for normally-distributed data, and chi-square tests or Fisher's exact tests for categorical data; 3 Pairwise comparison was done using the Bonferroni test, a significantly difference from the BF group was indicated by p < 0.05.

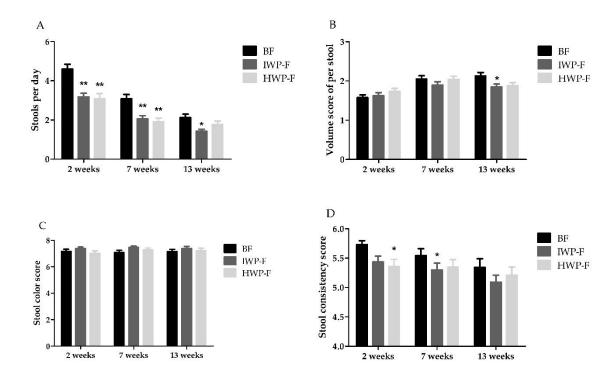


Figure S2. Stool characteristics (shown as mean and standard error) at 2, 7 and 13 weeks of age in breast, IWP-F-, and HWP-F-fed term infants. (**A**) Stool frequency, indicated as stools per day. (**B**) Volume score per stool, expressed as stool diameter: 1 ≤ 7.5 cm; 2 > 7.5 cm and < 13.0 cm; 3 ≥ 13.0 cm. (**C**) Stool color score, calculated using the Infants Stool Color Chart, 1 indicates the most abnormal stool score, and 9 is the most normal. (**D**) Stool consistency score, rated based on the simplified Bristol Stool Form Chart, 1 = hard lumps, 2 = sausage-shaped but lumpy, 3 = formed but with cracks, 4 = smooth and soft, 5 = soft blobs with clear-cut edges, 6 = mushy. Thus, the range of possible scores is 0–6; a higher score is closer to a softer stool. Significant differences compared with the BF group are indicated as follows: **: p < 0.001; *: p < 0.05. HWP-F, Infant formula containing hydrolyzed whey protein; IWP-F, Infant formula containing intact whey protein; BF, breast-fed.

References:

1. Von Berg A.; Koletzko S.; Grubl A.; Filipiak-Pittroff B.; Wichmann H.E.; Bauer C.P.; Reinhardt D.; Berdel D. The effect of hydrolyzed cow's milk formula for allergy prevention in the first year of life: the German Infant Nutritional Intervention Study, a randomized double-blind trial. *J. Allergy Clin. Immunol.* **2003**, *111*, 533-540. [CrossRef] [PubMed]