

Fision VK | Fision VK is a blend of wheat and soy amino acids, plus selected pure fermentation derived amino acids, calculated to mimic the functional ratios in commercial human hair amino acids. The high level of cysteine naturally present in wheat, and the high ration of amine functional amino acids — especially lysine — in soy make the combination particularly suitable to approximate natural keratin. Additionally, inclusion of substantial amounts of beta-hydroxy amino acids, serine and threonine, are necessary to bring the complement of 18 amino acids to form a total non-animal, vegetable keratin amino acid mixture.

Comparison of Amino Acid Residue of Typical Product

Amino Acid	Fision VK	Hydrolyzed Hair Keratin
Alanine	0.56%	0.95%
Arginine	2.15%	2.2%
Aspartic Acid	1.03%	1.66%
Cystine	0.25%	0.58%
Glutamic Acid	4.89%	3.51%
Glycine	0.69%	1.07%
Histidine	0.42%	0.35%
Hydroxyproline	0.00%	0.00%
Isoleucine	0.57%	0.38%
Leucine	1.13%	0.66%
Lysine	0.73%	0.86%
Methionine	0.30%	0.10%
Phenylalanine	0.69%	0.42%
Proline	1.38%	1.92%
Serine	2.34%	2.63%
Threonine	1.74%	1.80%
Tryptophan	0.17%	0.00%
Tyrosine	0.39%	0.18%
Valine	0.66%	1.08%