

Cytokeratin 18 Human Recombinant

Item Number	rAP-3160
Synonyms	Keratin type I cytoskeletal 18, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, Cell proliferation-inducing gene 46 protein.
Description	Cytokeratin 18 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a calculated molecular mass of 48,201 Dalton, showing a 45kDa band on SDS-page, pI-5.7. The KRT18 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P05783
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CK-18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CK-18 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein (1mg/ml) was lyophilized from a sterile solution containing 30mM Tris-HCl pH-8, 9.5M urea, 2mM EDTA, 2mM DTT and 10mM methylammonium chloride. Greater than 95.0% as determined by analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized 1mg CK-18 in sterile 18MΩ-cm H ₂ O not less than 700μl, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**