

Canine keratin, type I cytoskeletal 18 Protein

Cat. No. KRN-DE118

Description

Source	Recombinant Canine keratin, type I cytoskeletal 18 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ser2-Arg431.
Accession	NP_001332969.1
Molecular Weight	The protein has a predicted MW of 49.20 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

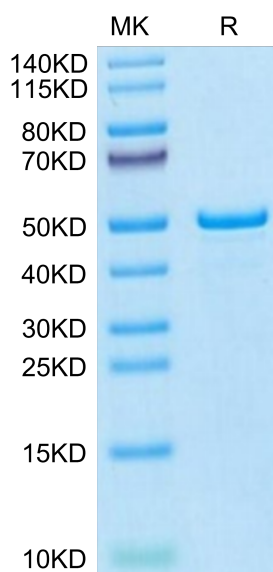
Formulation	Supplied as 0.22µm filtered solution in PBS, 0.2%SKL (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Keratins 8 and 18 (K8 and K18) are heteropolymeric intermediate filament phosphoglycoproteins of simple-type epithelia. Mutations in K8 and K18 predispose the affected individual to liver disease as they protect hepatocytes from apoptosis. K18 undergoes dynamic O-linked N-acetylglucosamine glycosylation at Ser 30, 31 and 49. K18 glycosylation provides a unique protective role in epithelial injury by promoting the phosphorylation and activation of cell-survival kinases.

Assay Data

Bis-Tris PAGE



Canine keratin, type I cytoskeletal 18 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.