

KRT18 Protein, Human, Recombinant (E. coli, His)

General Information

Synonyms:	Cytokeratin-18 (CK-18);Keratin-18 (K18);Keratin, type I cytoskeletal 18;Cell proliferation-inducing gene 46 protein;type I cytoskeletal 18;KRT18;CYK18
Protein Construction:	2-430 aa
Species:	Human
Expression Host:	E. coli
Accession:	P05783
Molecular Weight:	52.0 kDa (predicted)
AA Sequence:	SFTRRSTFSTNYRSLGVSQAPSYGARPVSSAASVYAGAGGSGSRISVSRSTFRGGMGSGGLATGIAGGLAGM GGIQNEKETMQSLNDRSLASYLDRVRSLETENRRLESKIREHLEKKGQVRDWSHYFKIIEDLRAQIFANTVDNA RIVLQIDNARLAADDFRVKYETELAMRQSVENDIHGLRKVIDDTNITRLQLETEIEALKEELLFMKNHEEEVKG LQAQIASSGLTVEVDAPKSQLAKIMADIRAQYDELARKNREELDKYWSQQIEESTTVTTQSAEVGAAETTL TELRRTVQSLEIDLDSMRNLKASLENSLREVEARYALQMEQLNGILLHLESELAQTRAEGQRQAQEYEALLNIK VKLEAEIATYRRLLLEDGEDFNLDALDSSNSMQTIQKTTTRRIVDGKVVSETNDTKVLRH

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Involved in the uptake of thrombin-antithrombin complexes by hepatic cells. When phosphorylated, plays a role in

filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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