

KRT10 Protein, Human, Recombinant (His)

General Information

Synonyms:	Keratin, type I cytoskeletal 10;Cytokeratin-10 (CK-10);Keratin-10 (K10);KPP;type I cytoskeletal 10;KRT10
Protein Construction:	1-584 aa
Species:	Human
Expression Host:	E. coli
Accession:	P13645
Molecular Weight:	62.8 kDa (predicted)
AA Sequence:	MSVRYSSSKHYSSRSRGGGGGGGGCGGGGGVSSLRISSSKGSLGGGFSSGGFSSGGFSFRGSSGGGCFGGSSG GYGGLGGFGGGSFRGSYSSSFGGSYGGIFGGGSFGGGSFGGGSFGGGGFGGGGFGGGFGGGFGGDGGLLS GNEKVTMQNLNDRLASYLDKVRALEESNYELEGGIKIKEWYKHEGNSHQGEPRDYSKYKTIDDLKNQILNLT DNANILLQIDNARLAADDFRLKYENEVALRQSVEADINGLRRVLDLTLTKADLEMQIESLTEELAYLKNHEE EMKDLRNVSTGDVNVEMNAAPGVDLTQLLNMRSQYEQLAEQNRKDAEAWFNEKSKELTTEIDNNIEQISS YKSEITELRRNVQALEIELQSQLALKQSLEASLAETEGRYCVQLSQIQAQISALEEQQLQIRAETECQNTHEYQQL LDIKIRLENEIQTYRSLLEGGSSGGGGRRGGGSFGGGYGGGSSGGSSGGGHGGGHGGSSGGGYGGSSGG GSSGGGYGGSSGGGHGGSSGGGYGGGSSGGGGGGYGGGSSGGSSGGGYGGSSGGGHKSSSSGSGVG ESSKGPY

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:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer

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

Plays a role in the establishment of the epidermal barrier on plantar skin.; (Microbial infection) Acts as a mediator of S.aureus adherence to desquamated nasal epithelial cells via clfB, and hence may play a role in nasal colonization.; (Microbial infection) Binds S.pneumoniae PsrP, mediating adherence of the bacteria to lung cell lines. Reduction of levels of KRT10 keratin decrease adherence, overexpression increases adherence. Neither protein has to be glycosylated for the interaction to occur.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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