
Product Data Sheet

Product Name: KRT16 Human

Cat. No.: GP23771

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Keratin; type I cytoskeletal 16; Cytokeratin 16; KRT16; Cytokeratin-16; CK-16; Keratin-16; K16; KRT16A; FNEPPK; K1CP; NEPPK.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMTTCSRQ FTSSSSMKGS CGIGGGIGGG SSRISSVLG GSCRAPSTYG GGLSVSSRFS SGGACGLGGG YGGGFSSSSS FGSGFGGGYG GGLGAGFGGG LGAGFGGGFA GGDGLLVGSE KVTMQLNDR LASYLDKVRA LEEANADLEV KIRDWYQRQR PSEIKDYSY FKTIEDLRNK IIAATIENAQ PILQIDNARL AADDFRTKYE HELALRQTV ADVNGLRRVL DELTLARTDL EMQIEGLKEE LAYLRKNHEE EMLALRGQTG GDVNVEMDAA PGVDLSRILN EMRDQYEQMA EKNRRDAETW FLSKTEELNK EVASNSELVQ SSRSEVTELR RVLQGLEIEL QSQLSMKASL ENSLEETKGR YCMQLSQIQG LIGSVEEQLA QLRCEMEQQS QEYQILLDVK TRLEQEIATY RRLLEGEDAH LSSQQASGQS YSSREVFTSS SSSSRQTRP ILKEQSSSSF SQGQSS.</p>		
Formulation	The KRT16 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Cytokeratin 16, also known as KRT16, is a member of the keratin gene family. KRT16 which acts as a regulator of innate immunity in response to skin barrier breach is required for some inflammatory checkpoint for the skin barrier maintenance. KRT16 is coexpressed with keratin 14 in a few epithelial tissues as esophagus, tongue, and hair follicles.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KRT16 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 496 amino acids (1-473) and having a molecular mass of 53.7 kDa. KRT16 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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