Recombinant Human KRT13 protein, His & T7-tagged

Cat. No. KRT13-1916H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT13 aa. (Glu104~Ala403 (Accession # P13646)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu104~Ala403
Description	The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.7kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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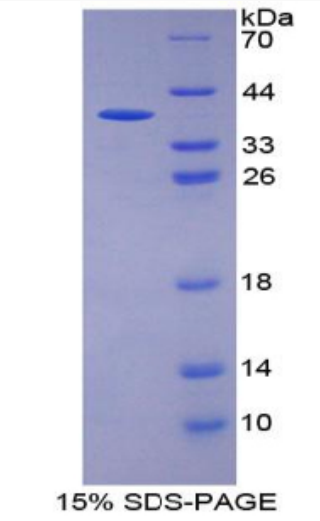
Purity	>95%
Characteristic	The isoelectric point is 5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KRT13 keratin 13 [Homo sapiens (human)]
Official Symbol	KRT13
Synonyms	MYH3; myosin heavy chain 3; DA8; DA2A; DA2B; HEMHC; SMHCE; MYHSE1; MYHC-EMB; myosin-3; myosin heavy chain, fast skeletal muscle, embryonic; myosin, heavy chain 3, skeletal muscle, embryonic; myosin, heavy polypeptide 3, skeletal muscle, embryonic; myosin, skeletal, heavy chain, embryonic 1

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Gene ID	3860
mRNA Refseq	NM_002274.3
Protein Refseq	NP_002265.2
UniProt ID	P13646



SDS-PAGE

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