Recombinant Human KRT7 protein, His & S-tagged

Cat. No. KRT7-2798H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT7 aa. (Glu91~Lys394 (Accession # P08729)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu91~Lys394
Description	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

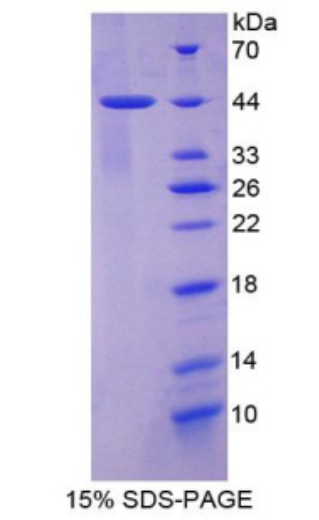
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Characteristic	The isoelectric point is 5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate 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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KRT7 keratin 7 [Homo sapiens (human)]
Official Symbol	KRT7
Synonyms	K7; CK7; SCL; K2C7; CK-7; cytokeratin 7; keratin 7, type II; keratin, 55K type II cytoskeletal; keratin, simple epithelial type I, K7; sarcolectin; type II mesothelial keratin K7; type-II keratin Kb7; keratin, type II cytoskeletal 7
Gene ID	3855
mRNA Refseq	NM_005556.3
Protein Refseq	NP_005547.3

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UniProt ID	P08729
SDS-PAGE	

15% SDS-PAGE

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