

Recombinant Human KRT3 protein, His & T7-tagged

Cat. No. KRT3-2696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT3 aa. (Glu198~Ser514 (Accession # P12035)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu198~Ser514
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 corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.3.
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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

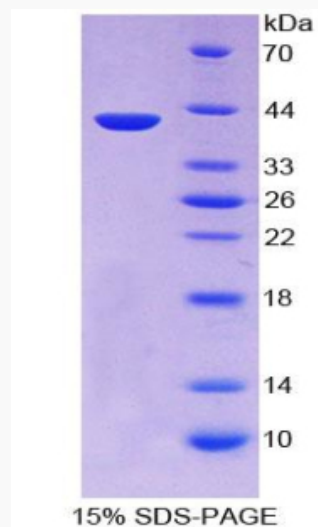
GENE INFORMATION

Gene Name	KRT3 keratin 3 [Homo sapiens (human)]
Official Symbol	KRT3
Synonyms	K3; CK3; 65 kDa cytokeratin; CK-3; cytokeratin 3; keratin 3, type II; type-II keratin Kb3; keratin, type II cytoskeletal 3
Gene ID	3850
mRNA Refseq	NM_057088.2
Protein Refseq	NP_476429.2

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UniProt ID**P12035****SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA