

Recombinant Human KRT16 protein, His-tagged

Cat. No. KRT16-2720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT16 aa. (Glu117~Arg419) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu117~Arg419
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 and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus.
Form	Freeze-dried powder
Molecular Mass	39kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>98%
Characteristic	The isoelectric point is 4.9.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Concentration	200µg/mL
Storage buffer	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	KRT16 keratin 16 [Homo sapiens (human)]
Official Symbol	KRT16
Synonyms	K16; PC1; CK16; K1CP; NEPPK; FNEPPK; KRT16A; cytokeratin 16; focal non-epidermolytic palmoplantar keratoderma; keratin 16, type I; keratin, type I cytoskeletal 16

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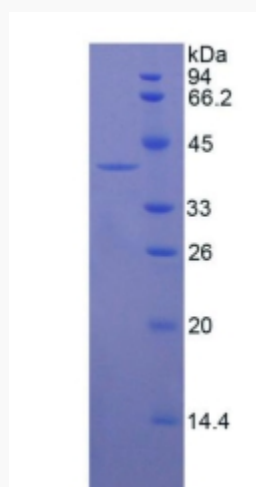
Gene ID 3868

mRNA Refseq NM_005557.3

Protein Refseq NP_005548.2

UniProt ID P08779

SDS-PAGE



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