

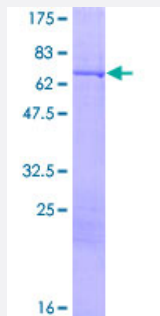
Full-Length

KRT16 (Human) Recombinant Protein (P01)

Catalog # H00003868-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KRT16 full-length ORF (NP_005548.2, 1 a.a. - 473 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTCSRQFTSSSSMKGSCGIGGGIGGGSSRISSVLAGGSCRAPSTYGGGLSVSSRFSSGGACGL
GGGYGGGFSSSSFGSGFGGGYGGGLGAGFGGGLGAGFGGFGAGGDGLLVGSEKVTMQNLN
DRLASYLDKVRAL EEANADLEV KIRDWYQRQRPSEIKDYSPYFKTIEDLRNKIIAATIENAQPILQIDN
ARLAADDFRTKYEHELALRQTVEADVNLRRVLDELTLARTDLEMQIEGLKEELAYLRKNHEEEM
LALRGQTGGDVNVEMDAAPGVDL SRLNEMRDQYEQMAEKNRRDAETWFLSKTEELNKEVASN
SELVQSSRSEVTELRRVLQGLEIELQSQLSMKASLENSLEETKGRYCMQLSQIQGLIGSVEEQLAQ
LRCMEQQSQEQILLDVKTRLEQEIATYRRLLEGEDAHLSQQASGQSYSREVTSSSSSSSR
QTRPILKEQSSSSFSQGQSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KRT16

Entrez GeneID[3868](#)**GeneBank Accession#**[NM_005557.2](#)**Protein Accession#**[NP_005548.2](#)**Gene Name**

KRT16

Gene Alias

CK16, K16, K1CP, KRT16A, NEPPK

Gene Description

keratin 16

Omim ID[144200](#) [148067](#) [167200](#) [600962](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

cytokeratin 16|focal non-epidermolytic palmoplantar keratoderma|keratin, type I cytoskeletal 16