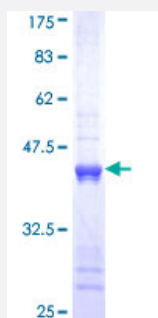


KRT1 (Human) Recombinant Protein (Q01)

Catalog # H00003848-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KRT1 partial ORF (NP_006112, 387 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HGDSVRNSKIEISELNRVIQRLRSEIDNVKKQISNLQQSISDAEQRGENALKDAKNKLNLDLEDALQQ AKEDLARLLRDYQELMNTKLALDLEIATYRTLLEGEESRMSGE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (82); Rat (85)
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 — KRT1

Entrez GeneID [3848](#)

GeneBank Accession# [NM_006121](#)

Protein Accession# [NP_006112](#)

Gene Name KRT1

Gene Alias CK1, EHK1, K1, KRT1A

Gene Description keratin 1

Omim ID [113800](#) [139350](#) [146590](#) [148700](#) [600962](#) [607602](#) [607654](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]

Other Designations cytokeratin 1|epidermolytic hyperkeratosis 1|hair alpha protein|keratin, type II cytoskeletal 1