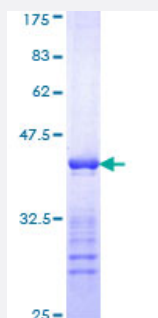


KRT10 (Human) Recombinant Protein (Q01)

Catalog # H00003858-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KRT10 partial ORF (NP_000412, 345 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KELTTEIDNNEIQISSYKSEITELRRNVQALEIELQSQLALKQSLEASLAETEGRYCVQLSQIQAQISA LEEQLQQIRAETECQNTEYQQLLDIKIRLENEIQTYSLL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — KRT10

Entrez GeneID [3858](#)

GeneBank Accession# [NM_000421](#)

Protein Accession# [NP_000412](#)

Gene Name KRT10

Gene Alias CK10, K10, KPP

Gene Description keratin 10

Omim ID [113800](#) [148080](#) [600648](#) [607602](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21. [provided by RefSeq]

Other Designations cytokeratin 10

Publication Reference

- [A novel highly reactive Fab antibody for breast cancer tissue diagnostics and staging also discriminates a subset of good prognostic triple-negative breast cancers.](#)

Araujo TG, Paiva CE, Rocha RM, Maia YC, Sena AA, Ueira-Vieira C, Carneiro AP, Almeida JF, de Faria PR, Santos DW, Calabria L, Alcantara TM, Soares FA, Goulart LR.

Cancer Letters 2014 Feb; 343(2):275.

Application: ELISA, FabC4