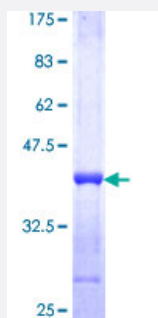


KRT4 (Human) Recombinant Protein (Q01)

Catalog # H00003851-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|-------------------------------|---|
| Product Description | Human KRT4 partial ORF (NP_002263, 194 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | SSKNLEPLFETYLSVLRKQLDTLGNDKGRLQSELKTMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVDAAYLNKVELEAKVDSLNDINFLKVLDAELSQQMTH |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 37.51 |
| Interspecies Antigen Sequence | Mouse (82) |
| 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 — KRT4

Entrez GeneID [3851](#)

GeneBank Accession# [NM_002272](#)

Protein Accession# [NP_002263](#)

Gene Name KRT4

Gene Alias CK4, CYK4, FLJ31692, K4

Gene Description keratin 4

Omim ID [123940](#) [193900](#)

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 differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]

Other Designations cytokeratin 4|keratin, type II cytoskeletal 4