

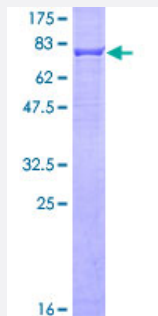
Full-Length

KRT6A (Human) Recombinant Protein (P01)

Catalog # H00003853-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KRT6A full-length ORF (AAH08807.1, 1 a.a. - 564 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASTSTIRSHSSSRRGFSANSARLPGVSRSGFSSVSVSRSGSGGLGGACGGAGFGSRSLYG
LGGSKRISIGGGSCAISGGYGSRAAGGSYGFGGAGSGFGFGGGAGIGFGLGGAGLAGGFGGPGF
PVCPPGGIQEVTVNQSLTPLNLQIDPTIQRVRAEEREQIKTLNKNKFASFIDKVRFLQQNKVLETK
WTLLEQEGTKTVRQNLPLFEQYINLRRQLDSVGERGRLDSELRGMQDLVEDFKNKYEDEINK
RTAAENEFVTLKKDVDAAYMNKVELQAKADTLTDEINFLRALYDAELSQQMQTHISDTSVVLSDMN
NRNLDLDSIAEVKAQYEEIAQRSRAEASWYQTKYEELQVTAGRHGDDLRLNTKQEIENRMIQRL
RSEIDHVKKQCANLQAAIADAEQRGEMALKDAKNKLEGLDALQAKQDLARLLKEYQELMNVK
LALDVEIATYRKLLLEGEECRLNGEGVGQVNISVVQSTVSSGYGGASGVGSGGLGLGGGSSYSYGS
GLGVGGGFSSSSGRAIGGLSSVGGGSSTIKYTTTSSSSSRKSYKH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.78

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 — KRT6A

Entrez GeneID[3853](#)**GeneBank Accession#**[BC008807](#)**Protein Accession#**[AAH08807.1](#)**Gene Name**

KRT6A

Gene Alias

CK6A, CK6C, CK6D, K6A, K6C, K6D, KRT6C, KRT6D

Gene Description

keratin 6A

Omim ID[148041](#) [167200](#)**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. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]

Other Designations

56 cytoskeletal type II keratin|K6D keratin|cytokeratin 6A|cytokeratin 6C|cytokeratin 6D|keratin 6C|keratin, epidermal type II, K6A|keratin, epidermal type II, K6C|keratin, type II cytoskeletal 6D|type II keratin isoform K6c
