

Recombinant Human KRT3 Protein, GST-tagged

Cat. No. KRT3-4856H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT3 full-length ORF (AAI56126.1, 1 a.a. - 628 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmanns Corneal Dystrophy. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]
Molecular Mass	95.5 kDa
AA Sequence	MSRQASKTSGGGSQGFSGRSAVVSGSSRMSCVAHSGGAGGGAYGFRSGAGGFG SRSLYNLGGNKSISISVAAGGSRAGGFGGGRSSCAFAGGYGGGFGSGYGGGFGG GFGGGRGMGGGFGGAGGFGGAGGFGGAGGFGGPGGFGGSGGFGGPGSLGSP GGFGPGGFPGGIQEVNTINQSLLQPLNVEIDPQIGQVKAQEREQIKTLNNKFASFIDKV RFLEQQNKVLETKWNLQQQGTSSISGTNNLEPLFENHINYLRSYLDNILGERGRLD SELKNMEDLVEDFKKKYEDEINKRTAAENEFVTLKKDVDSAYMKNKVELQAKVDALID EIDFLRTLDAELSQQMQSHISDTSVVLSDNNRSLDLDSIIAEVRAQYEDIAQRSKAE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AEALYQTKLGELQTTAGRHGDDLRLNTKSEIIEIENRMILQRLRAEIEGVKKQNANLQTAI
 AEAEQHGEMALKDANAKLQELQAALQQAQKDDLARLLRDYQELMNVKLALDVEIATY
 RKLLEGEERYMSGECPSAVSISVVSSSTTSASAGGYGGGYGGGMGGGLGGGFSA
 GGGSGSGFGRGGGGGIGGGFSGGSSGFGSGFGSISGARYGVSGGGFSSASN
 RGGSIKFSQSSQSSQRYSR

Applications

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

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

GENE INFORMATION

Gene Name [KRT3 keratin 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [KRT3](#)

Synonyms KRT3; keratin 3; K3; CK3; keratin, type II cytoskeletal 3; 65 kDa cytokeratin; CK-3; cytokeratin 3; keratin 3, type II; type-II keratin Kb3

Gene ID [3850](#)

mRNA Refseq [NM_057088](#)

Protein Refseq [NP_476429](#)

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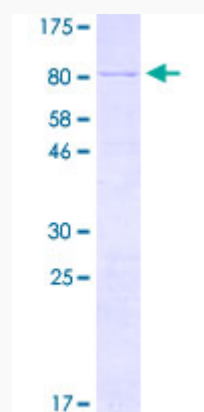
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MIM 148043

UniProt ID P12035

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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