

Recombinant Full Length Human KRT3 Protein, GST-tagged

Cat. No. KRT3-6017HF **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	In Vitro Cell Free System
ProteinLength	628 amino acids
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	MSRQASKTSGGGSQGFSGRSVVSGSSRMSCVAHSGGAGGGAYGFRSGAGGFG SRSLYNLGGNKSISISVAAGGSRAGGFGGGRSSCAFAGGYGGGFGSGYGGGFGG GFGGGRGMGGGFGGAGGFGGAGGFGGAGGFGGPGGFGGSGGFGGPGSLGSP GGFGPGGFPGGIQEVTINQSLLQPLNVEIDPQIGQVKAQEREQIKTLNNKFASFIDKV RFLEQQNKVLETKWNLLQQQGTSSISGTNNLEPLFENHINYLRSYLDNILGERGRLD SELKNMEDLVEDFKKKYEDEINKRTAAENEFVTLKKDVDSAYMNKVELQAKVDALID

 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

EIDFLRTLTYDAELSQQSHISDTSVVLSMDNNRSLDLDSEIAEVRAQYEDIAQRSKAE
 AEALYQTKLGELQTTAGRHGDDLRLNTKSEIIEIENRMIQRLRAEIEGVKKQNANLQTAI
 AEAEQHGEMALKDANAKLQELQAALQQAQKDDLARLLRDYQELMNVKLALDVEIATY
 RKLLEGEEYRMSGECPSAVSISVSSSTTSASAGGYGGGYGGGMGGGLGGGFSA
 GGGSGSGFGRGGGGGIGGGFSGGSSGFGSGGSGFGSISGARYGVSGGGFSSASN
 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

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Protein Refseq	NP_476429
MIM	148043
UniProt ID	P12035

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