

Recombinant Full Length Human KRT85 Protein, GST-tagged

Cat. No. KRT85-5790HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT85 full-length ORF (AAI66627.1, 1 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	507 amino acids
Description	The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. [provided by RefSeq]
Molecular Mass	55.8 kDa
AA Sequence	MSCRSYRISSGCGVTRNFSSCSAVAPKTGNRCCISAAPYRGVSCYRGLTGFGSRSL CNLGSCGPRIAVGGFRAGSCGRSFGYRSGGVCGPSPPCITTVSVNESLLTPLNLEID PNAQCVKQEEKEQIKSLNSRFAAFIDKVRFLEQQNKLLETKWQFYQNQRCCESNLE PLFSGYIETLRREAECVEADSGRLASELNHVQEVLLEGYKKKYEEEEVALRATAENEFV VLKKDVDCAYLRKSDLEANVEALVEESSFLRRLYEEEEIRVLQAHISDTSVIVKMDNSR DLNMDCIAEIKAQYDDVASRSRAEAESWYRSKCEEMKATVIRHGETLRRTKEEINEL

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NRMIQRLTAEIENAKCQRAKLEAAVAEAEQQGEAALSDARCKLAELEGALQKAKQD
 MACLLKEYQEVMSKLGDLIEIATYRRLLLEGEEHRLCEGVGSVNVCVSSSRGGVSC
 GGLSYSTTPGRQITSGPSAIGGSITVVAPDSCAPCQPRSSSFSCGSSRSVRFA

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

KRT85 keratin 85 [Homo sapiens (human)]

Official Symbol

KRT85

Synonyms

KRT85; keratin 85; HB5; K85; Hb-5; hHb5; ECTD4; KRTHB5; keratin, type II cuticular
 Hb5; hair keratin K2.12; hard keratin, type II, 5; keratin 85, type II; keratin, hair, basic,
 5; type II hair keratin Hb5; type-II keratin Kb25

Gene ID

3891

mRNA Refseq

NM_001300810

Protein Refseq

NP_001287739

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MIM	602767
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UniProt ID	P78386
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