

Recombinant Human KRT85 Protein, GST-tagged

Cat. No. KRT85-4830H **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	Wheat Germ
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 PNAQCVKQEEKEQIKSLNSRFAAFIDKVRFLQKQNKLLQKQFYQNRCCESNLE PLFSGYIETLRREAECVEADSGRLASELNHVQEVLEGYKKKYEEEVALRATAENEFV VLKKDVEDCAYLRKSDLEANVEALVEESSFLRRLYEEEEIRVLQAHISDTSVIVKMDNSR DLNMDCIAEIKAQYDDVASRSRAEASWYRSKCEEMKATVIRHGETLRRTKEEINEL NRMIQRLTAEIENAKCQRAKLEAAVAEAEQQGEAALSDARCKLAELEGALQKAKQD

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	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
MIM	602767

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