

Recombinant Human KRT84 Protein, GST-tagged

Cat. No. KRT84-4831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KRT84 full-length ORF (BAG36740.1, 1 a.a. - 600 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. All hair keratins are expressed in the hair follicle; this hair keratin is contained primarily in the filiform tongue papilla, among other hair keratins. [provided by RefSeq]
Molecular Mass	92.4 kDa
AA Sequence	MSCRSYRVSSGHRVGNFSSCSAMTPQNLNRFANSVSCWSGPGFRGLGSFGSRS VITFGSYSPIAAVGSRPVHCGVRFVAGCGMGFGDGRGVGLGPRADSCVGLGFGA GSGIGYGFGGPGFGYRVGGVGVPAAPSITAVTVNKSLLTPLNLEIDPNAHRVKKDEK EQIKTLNKNFASFIDKVRFLVLEQQNKLLETKWSFLQEQKCIRSNLEPLFESYITNLRRL EVLVSDQARLQAERNHLQDVLEGFKKKYEEVVCRAANAENEFVALKKDVAADFMMNK SDLEANVDTLTQEIDFLKTLYMEEIQLLQSHISETSVIVKMDNSRDNLNLDGIIAEVKAQY

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EEVARRSRADAEAWYQTKYEEMQVTAGQHCDNLRNIRNEINELTRLIQRLKAEIEHA
 KAQRAKLEAAVAEAEQQGEATLSDAKCKLADLECALQQAKQDMARQLCEYQELMN
 AKLGLGIEIATYRRLLLEGEE SRLCEGVGPVNISVSSSRGGLVCGPEPLVAGSTLSRG
 GVTFSGSSSVCATSGVLASCGPSLGGARVAPATGDLLSTGTRSGSMLISEACVPSV
 PCPLPTQGGFSSCSGGRSSSVRFVSTTTSCRKY

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 [KRT84 keratin 84 \[Homo sapiens \]](#)

Official Symbol [KRT84](#)

Synonyms
 KRT84; keratin 84; keratin, hair, basic, 4 , KRTHB4; keratin, type II cuticular Hb4;
 hard keratin type II 4; Hb 4; K84; keratin-84; type-II keratin Kb24; type II hair keratin 4;
 keratin, hair, basic, 4; hard keratin, type II, 4; type II hair keratin Hb4; HB4; KRTHB4;

Gene ID [3890](#)

mRNA Refseq [NM_033045](#)

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Protein Refseq NP_149034

MIM 602766

UniProt ID Q9NSB2

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