

Recombinant Human KRT4 protein, GST-tagged

Cat. No. KRT4-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT4(1 a.a. - 534 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-534 a.a.
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 differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	84.48 kDa
AA Sequence	MIARQQCVRRGGPRGFSCGSAIVGGGKRGAFSSVSMSSGGAGRCSSGGFGSRSLYN LRGNKSISMSVAGSRQGACFG GAGGFGTGGFGAGGFGAGFGTGGFGGGFGGSF SGKGGPGFPVCPAGGIQEVTINQSLTPLHVEIDPEIQKVRTE EREQIKLLNNKFASFI

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DKVQFLEQQNKVLETKWNLLQQQTTTTSSKNLEPLFETYLSVLRKQLDTLGNDKGR
 LQS ELKTMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVDAAYLNKVELEAKVDSL
 NDEINFLKVLKYDAELSQQMQTH VSDTSVVLSDNNRNLDLDSIIAEVRAQYEEIAQRS
 KAEAEALYQTKVQQLQISVDQHGDNLKNTKSEIAELNRM IQRLRAEIEENIKKQCQTL
 QVSVADAEQRGENALKDAHSKRVELEAALQQAKEELARMLREYQELMSVKLALDIEI
 ATYRKLLLEGEEYRMSGECQSAVSISVVSGSTSTGGISGGLGSGSGFGLSSGFGSGS
 GSGFGFGGSVSGSSSSKII STTTLNKRR

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.

GENE INFORMATION

Gene Name

KRT4 keratin 4 [Homo sapiens]

Official Symbol

KRT4

Synonyms

KRT4; keratin 4; CYK4; keratin, type II cytoskeletal 4; CK4; cytokeratin 4; K4; keratin;
 type II cytoskeletal 4; type-II keratin Kb4; CK-4; FLJ31692;

Gene ID

3851

mRNA Refseq

NM_002272

Protein Refseq

NP_002263

MIM

123940

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UniProt ID	P19013
Chromosome Location	12q13.13
Function	structural molecule activity;

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