

Recombinant Human KRT4 protein, GST-tagged

Cat. No. KRT4-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT4(194 a.a. - 300 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	194-300 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	37.51 kDa
AA Sequence	SSKNLEPLFETYLSVLRKQLDTLGNDKGRLQSELKTMQDSVEDFKTKYEEEINKRTA AENDFVVLKKDVAAYLN KVELEAKVDSLNDINFLKVLDAELSQMQTH

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

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