

Recombinant Full Length Human KRT72 Protein, GST-tagged

Cat. No. KRT72-6082HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human KRT72 full-length ORF (ADR83208.1, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	511 amino acids
Description	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. The type II keratins 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 gene encodes a type II keratin that is specifically expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q12-q13. Multiple transcript variants encoding different isoforms have been found for this gene
Molecular Mass	56.3 kDa
AA Sequence	MSRQLTHFPRGERLGFSGCSAVLSGGIGSSSASFRARVKGSASFGSKLSLCLGGSR SLALSAAARRGGGRLGGFVGTAFGSAGLGPKCPSVCPGGIPQVTVNKSLLAPLNV EMDPEIQRVRAQEREQIKALNNKFASFIDKVRFLQNNQVLETKWNLLQQLDLNNCR KNLEPIYEGYISNLQKQLEMLSGDGVRLDSELRNMQDLVEDYKKRYEVEINRRTAAE NEFVVLKKDVDAAAYMKNKVELQAKVDSLTDKIKFFKCLYEGETIQSHISDTSIVLSMD NNRDLDLDSIAEVRAQYEEIALKSKAEAEETLYQTKIQELQVTAGQHGDLDLKLTKAEIS

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ELNRLIQRIRSEIGNVKKQCAELETAIADAEQRGDCALKDARAKLDELEGALHQAKEE
 LARMLREYQELVSLKLALDMEIATYRKLLSEECRMSGEYPNSVISVISSTNAGAGG
 AGFSMGFGASSSYSYKTAADVKTGKSGSELKDPLAKTSGSSCATKKASR

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	KRT72 keratin 72 [Homo sapiens (human)]
Official Symbol	KRT72
Synonyms	KRT72; keratin 72; KRT6; K6irs; K6IRS2; KRT6IRS2; keratin, type II cytoskeletal 72; CK-72; K72; cytokeratin-72; keratin 6, inner root sheath, 2; keratin 72, type II; keratin protein K6irs1; type II inner root sheath-specific keratin-K6irs2; type-II keratin Kb35
Gene ID	140807
mRNA Refseq	NM_001146225
Protein Refseq	NP_001139697

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MIM	608246
UniProt ID	Q14CN4

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