

## Recombinant Human KRT72 Protein, GST-tagged

Cat. No. KRT72-4841H 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** Wheat Germ

**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**

```
MSRQLTHFPRGERLGFSGCSAVLSGGIGSSSASFRRVKGSAFSGSKLSLCLGGSR
SLALSAAARRGGGRLGGFVGTAFGSAGLGPCKPSVCPGGIPQVTVNKSL LAPLV
EMDPEIQRVRAQEREQIKALNNKFASFIDKVRFLQNNQVLETKWNLLQQLDLNNCR
KNLEPIYEGYISNLQKQLEMLSGDGVRLDSELRNMQDLVEDYKKRYEVEINRRTAAE
NEFVVLKKDVAAYMKNVELQAKVDSLTDKIFFKCLYEGETIQSHISDTSIVLSMD
NNRDLDLDSIIAEVRAQYEEIALKSKAEAEETLYQTKIQELQVTAGQHGD DLKLTAEIS
ELNRLIQRIRSEIGNVKKQCAELETAIADAEQRGDCALKDARAKLDELEGALHQAKEE
```

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LARMLREYQELVSLKLALDMEIATYRKLLSEECRMSGYEPNSVISVISSTNAGAGG  
AGFSMGFGASSYSYKTAADVKTKGSCGSELKDPLAKTSGSSCATKKASR

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	KRT72 keratin 72 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KRT72
<b>Synonyms</b>	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
<b>Gene ID</b>	140807
<b>mRNA Refseq</b>	NM_001146225
<b>Protein Refseq</b>	NP_001139697
<b>MIM</b>	608246

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UniProt ID

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