

Recombinant Human KRT2 protein, His-tagged

Cat. No. KRT2-2697H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT2 aa. (Cys7~Leu160 (Accession # P35908)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys7~Leu160
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 expressed largely in the upper spinous layer of epidermal keratinocytes and mutations in this gene have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Characteristic	The isoelectric point is 11.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KRT2 keratin 2 [Homo sapiens (human)]
Official Symbol	KRT2
Synonyms	K2e; KRTE; CK-2e; KRT2A; KRT2E; cytokeratin-2e; epithelial keratin-2e; keratin 2, type II; keratin-2 epidermis; keratin-2e; type-II keratin Kb2; keratin, type II cytoskeletal 2 epidermal
Gene ID	3849
mRNA Refseq	NM_000423.2
Protein Refseq	NP_000414.2

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

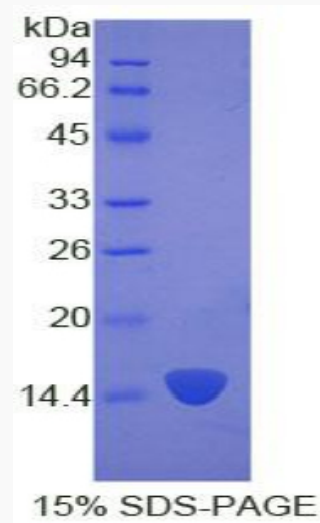
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

UniProt ID

P35908

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA