

# Recombinant Human KRT1

Cat. No. KRT1-26824TH Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human KRT1 protein with an N terminal proprietary tag; predicted mwt: 37.73 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	110 amino acids
<b>Description</b>	<p>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 the spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.</p>
<b>Molecular Weight</b>	37.730kDa inclusive of tags
<b>Tissue specificity</b>	The source of this protein is neonatal foreskin. The 67-kDa type II keratins are expressed in terminally differentiating epidermis.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

 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

<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	HGDSVRNSKIEISELNRVIQRLRSEIDNVKKQISNLQQSI SDAEQRGENALKDAKNKL NDLEDALQQAKEDLARLLRDYQ ELMNTKLALDLEIATYRTLLEGEESRMSGE
<b>Sequence Similarities</b>	Belongs to the intermediate filament family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KRT1 keratin 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KRT1</a>
<b>Synonyms</b>	KRT1; keratin 1; EHK1, epidermolytic hyperkeratosis 1; keratin, type II cytoskeletal 1; KRT1A;
<b>Gene ID</b>	<a href="#">3848</a>
<b>mRNA Refseq</b>	<a href="#">NM_006121</a>
<b>Protein Refseq</b>	<a href="#">NP_006112</a>
<b>MIM</b>	<a href="#">139350</a>
<b>Uniprot ID</b>	<a href="#">P04264</a>
<b>Chromosome Location</b>	12q13.13

 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



<b>Pathway</b>	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
<b>Function</b>	protein binding; receptor activity; structural constituent of cytoskeleton; sugar binding;

 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