



Datasheet for ABIN2712834

## Keratin 6 Protein (KRT6) (His tag)



[Go to Product page](#)

1 Image

1 Publication

### Overview

Quantity:	50 µg
Target:	Keratin 6 (KRT6)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Keratin 6 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

### Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human Cytokeratin 6 (full length, N-term HIS tag) protein expressed in E. coli.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

### Target Details

Target:	Keratin 6 (KRT6)
Alternative Name:	Cytokeratin 6 ( <a href="#">KRT6 Products</a> )
Background:	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. As many as six of this type II cytokeratin (KRT6) have been identified the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family

## Target Details

---

members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. In addition, peptides from the C-terminal region of the protein have antimicrobial activity against bacterial pathogens. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

Molecular Weight: 60

NCBI Accession: [NP\\_005545](#)

## Application Details

---

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

## Handling

---

Concentration: 50 µg/mL

Buffer: 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Publications

---

Product cited in: Pan, Zhou, Mahsut, Rohm, Berejnaia, Price, Chen, Castro-Perez, Lassman, McLaren, Conway, Jensen, Thomas, Reyes-Soffer, Ginsberg, Gutstein, Cleary, Previs, Roddy: "Static and turnover kinetic measurement of protein biomarkers involved in triglyceride metabolism including apoB48 and apoA5 by LC/MS/MS." in: **Journal of lipid research**, Vol. 55, Issue 6, pp. 1179-87, (2016) ([PubMed](#)).

Miyaji, Shahrizaila, Umaphathi, Chan, Hirata, Yuki: "Are ERM (ezrin/radixin/moesin) proteins targets for autoantibodies in demyelinating neuropathies?" in: **Human immunology**, Vol. 75, Issue 11, pp. 1089-91, (2015) ([PubMed](#)).

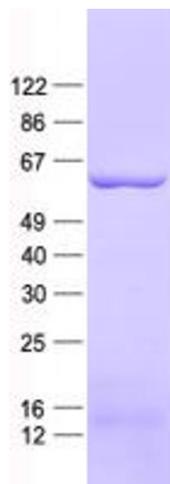
Oh, Choung, Lee, Park, Lee, Lee, Seo, Park: "CPNE7, a preameloblast-derived factor, regulates odontoblastic differentiation of mesenchymal stem cells." in: **Biomaterials**, Vol. 37, pp. 208-17, (2015) ([PubMed](#)).

Adini, Adini, Bazinet, Watnick, Bielenberg, DAmato: "Melanocyte pigmentation inversely correlates with MCP-1 production and angiogenesis-inducing potential." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, (2014) ([PubMed](#)).

Boxer, Barajas, Tao, Zhang, Khavari: "ZNF750 interacts with KLF4 and RCOR1, KDM1A, and CTBP1/2 chromatin regulators to repress epidermal progenitor genes and induce differentiation genes." in: **Genes & development**, Vol. 28, Issue 18, pp. 2013-26, (2014) ([PubMed](#)).

## Images

---



### Western Blotting

**Image 1.** Validation with Western Blot