

Recombinant Human Keratin 15

Cat. No. KRT15-7982TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cytokeratin protein (amino acids 1-456) , fused with proprietary tag was expressed in Wheat germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-456 a.a.
Description	The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region on chromosome 17q21.2.
Proteinlength	456 amino acids
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 8.00; Constituents: 0.31% Glutathione, 0.79% Tris HCl
Concentration	10 g at 0.05 mg/ml

 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

Additional notes	Protein concentration is above or equal to 0.05 mg/ml.
Sequence notes	MTTFLQTSSSTFGGGSTRGGSLLAGGGGFGGGSLSGGGGSRISASSARFVSSG SGGGYGGGMVCGFGGGAGSVFGGGFGGGVGGGFGGGFGGGDGGLLSGNEKIT MQNLNDRLASYLKVRALLEEANADLEVKIHDWYQKQTPTSPECDYSQYFKTIEELRD KIMATTIDNSRVILEIDNARLAADDFRLKYENELALRQGVEADINGLRRVLDELTLART DLEMQIEGLNEELAYLKKNHEEEMKEFSSQLAGQVNVEMDAAPGVDLTRVLAEMRE QYEAMAEKNRRDVEAWFFSKTEELNKEVASNTEMIQTSKTEITDLRRTMQEIEIQ SQLSMKAGLENSLAETECRYATQLQQIQGLIGGLEAQLSELRCEMEAQNQEYKMLL DIKTRLEQEIATYRSLLLEGQDAKMAGIGIREASSGGGGSSSNFHINV EESVDGQVVS SHKREI
Application	WB; ELISA
Tissue specificity	Expressed in a discontinuous manner in the basal cell layer of adult skin epidermis, but continuously in the basal layer of fetal skin epidermis and nail. Also expressed in the outer root sheath above the hair bulb in hair follicle (at protein level). Expressed homogeneously in all cell layers of the esophagus and exocervix, but detected in the basal cell layer only of oral mucosa, skin and in the basal plus the next two layers of the suprabasal epithelium of the palate.
Sequencesimilarities	Belongs to the intermediate filament family.
OfficialSymbol	KRT15
GENE INFORMATION	
Gene Name	KRT15 keratin 15 [Homo sapiens]
Synonyms	KRT15; keratin 15; keratin, type I cytoskeletal 15; CK15; cytokeratin 15; K1CO; K15; basic; beta; type I cytoskeletal 15; CK-15; cytokeratin-15; keratin-15, beta; keratin-15,

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	basic
Gene ID	3866
mRNA Refseq	NM_002275
Protein Refseq	NP_002266
MIM	148030
UniProt ID	P19012
Chromosome Location	17q21.2
Function	protein binding; structural constituent of cytoskeleton; scaffold protein binding

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