KRT20 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	KRT20, Recombinant Protein
Full Product Name	Recombinant Human KRT20
Product Gene Name	KRT20 recombinant protein
Product Synonym Names	CD20; CK 20; CK-20; CK20; Cytokeratin-20; Cytokeratin20; K1C20_HUMAN; K20; KA20; Keratin; Keratin 20; keratin 20; type I; keratin 21; rat; homolog of; Keratin type I cytoskeletal 20; Keratin-20; Keratin20; KRT 20; KRT 21; KRT20; KRT21; MGC35423; OTTHUMP00000164518; Protein IT; type I cytoskeletal 20
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	48,487 Da
Sequence Positions	1-139
Chromosome Location	Chromosome: 17; NC_000017.10 (39032141..39041495, complement). Location: 17q21.2
OMIM	608218
3D Structure	ModBase 3D Structure for P35900
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for KRT20 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for KRT20 recombinant protein	MBS7613577 is a recombinant protein targeting KRT20. Also known as Recombinant Human KRT20. Host: E Coli.
Other Notes	Small volumes of KRT20 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT20. It may not necessarily be applicable to this product.

NCBI GI #	27894337
NCBI GeneID	54474
NCBI Accession #	NP_061883.1
UniProt Primary Accession #	P35900
UniProt Secondary Accession #	B2R6W7

UniProt Related Accession #	P35900
GenBank Nucleotide #	NM_019010.2
NCBI Official Full Name	keratin, type I cytoskeletal 20
NCBI Official Synonym Full Names	keratin 20
NCBI Official Symbol	KRT20
NCBI Official Synonym Symbols	K20; CD20; CK20; CK-20; KRT21
UniProt Protein Name	Keratin, type I cytoskeletal 20
UniProt Synonym Protein Names	Cytokeratin-20; CK-20; Keratin-20; K20; Protein IT
Protein Family	Keratin
UniProt Gene Name	KRT20
UniProt Synonym Gene Names	CK-20; K20
UniProt Entry Name	K1C20_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 20; keratin-20; protein IT; cytokeratin 20; cytokeratin-20
NCBI Summary for KRT20	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]
UniProt Comments for KRT20	K20: a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: cytoplasm; intermediate filament Molecular Function: protein binding; structural constituent of cytoskeleton Biological Process: regulation of protein secretion; apoptosis; cellular response to stress; intermediate filament organization
Research Articles on KRT20	**1.** Overexpression of CK20 is associated with early-onset colorectal cancer.
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