KRT7 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	KRT7, Recombinant Protein
Full Product Name	Recombinant Mouse KRT7 Protein (His Tag)
Product Gene Name	KRT7 recombinant protein
Product Synonym Names	55K type II cytoskeletal; CK 7; CK-7; CK7; Cytokeratin 7; Cytokeratin-7; D15Wsu77e; K2C7; K7; Kerat; Keratin; Keratin 7; Keratin type II cytoskeletal 7; simple epithelial; simple epithelial type I; type II; type II cytoskeletal 7
Sequence	Gln80-Thr3 75
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	50,709 Da
3D Structure	ModBase 3D Structure for Q9DCV7
Species	Mouse
Tag	N-His
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for KRT7 recombinant protein	Proteins; Recombinant Proteins; Others
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRT7 recombinant protein	Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT7, also named as cytokeratin 7, is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels, and their neoplasms. KRT7 is marker of epithelial tissues, but not present in carcinomas of stratified squamous cell origin.This antibody is specifically against KRT7.
Other Notes	Small volumes of KRT7 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.
Searchable Terms for KRT7 purchase	MBS2580825 is a recombinant protein targeting KRT7. Also known as Recombinant Mouse KRT7 Protein (His Tag). Host: E coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT7. It may not necessarily be applicable to this product.

NCBI GI #	14861854
NCBI GeneID	110310
NCBI Accession #	NP_149064.1
UniProt Primary Accession #	Q9DCV7
UniProt Related Accession #	Q9DCV7
GenBank Nucleotide #	NM_033073.3
NCBI Official Full Name	keratin, type II cytoskeletal 7
NCBI Official Synonym Full Names	keratin 7
NCBI Official Symbol	Krt7
NCBI Official Synonym Symbols	K7; Krt2-7; D15Wsu77e
UniProt Protein Name	Keratin, type II cytoskeletal 7
UniProt Synonym Protein Names	Cytokeratin-7; CK-7; Keratin-7; K7; Type-II keratin Kb7
Protein Family	Keratin
UniProt Gene Name	Krt7
UniProt Synonym Gene Names	Krt2-7; CK-7; K7
UniProt Entry Name	K2C7_MOUSE
NCBI Protein Information	keratin, type II cytoskeletal 7; CK-7; keratin-7; sarcolectin; Cytokeratin 7; cytokeratin-7; type-II keratin Kb7; keratin complex 2, basic, gene 7
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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