Keratin, Type II Cytoskeletal 1b (KRT77) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin, type II cytoskeletal 1b (Krt77), Recombinant Protein
Full Product Name	Recombinant Mouse Keratin, type II cytoskeletal 1b (Krt77)
Product Gene Name	Krt77 recombinant protein
Product Synonym Gene Name	Krt77
Sequence	MSRQFSSQSA FSSRSRRAYS SRSSSGFGGG RQALVSVSQS RRYGGDYGGG FSSRSLYSLG GSKSIFGNLV GRSASGFCQS RGPGGGFGGG IGGGIGGGRG FGGGGFGGGY GGGGRFGGGF GGAGFGFGGF GPSYPPGGIH EVTINQSLLE PLHLEVDPEI QRVKTQEREQ IKTLNNKFAS FIDKVRFLEQ QNQVLQTKWE LLQQVNTSTR TSSLEPVFEE FISQLQRQVD VLTTEQLRQN TEIRNMQDVV EDYKNKYEDE INKRTNAEND FVVLKKDVDA AFMGKSDLQS KVDTLYGEIN FLKYLFDTEL SQIQTHVSDT NVILSMDNNR SLDLDSIIDA VRAQYEIIAQ KSKDEAEALY QTKYQELQIT AGKHGDDLKN SKMEISELNR NIQRLRAEIA NIKKQVEGMH GLISDAEERG ERALQNAKQK LQDMEEALQQ AKEDLAKLLR DYQAMLGAKL SLDVEIATYR QLLEGEESRM SGALQSQVSI SVQSSQVTIG GGGGGSGSYS GSSRGGGGGG GGTGSRGGGG GGGGSSYVSS SRSATKYGSG GGSSRTQILQ TSTHSSRRHV VE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	61,359 Da
Sequence Positions	1-572, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6IFZ6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Krt77 recombinant protein	MBS1316697 is a recombinant protein targeting Krt77. Also known as Recombinant Mouse Keratin, type II cytoskeletal 1b (Krt77). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Krt77 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 Krt77. It may not necessarily be applicable to this product.

NCBI GI #	51092293
NCBI GeneID	406220

NCBI Accession #	NP_001003667.1
UniProt Primary Accession #	Q6IFZ6
UniProt Related Accession #	Q6IFZ6
GenBank Nucleotide #	NM_001003667.1
NCBI Official Full Name	keratin, type II cytoskeletal 1b
NCBI Official Synonym Full Names	keratin 77
NCBI Official Symbol	Krt77
NCBI Official Synonym Symbols	mK1b; K1emb; Krt239; 4732484G22Rik
UniProt Protein Name	Keratin, type II cytoskeletal 1b
UniProt Synonym Protein Names	Cytokeratin-1B; CK-1B; Embryonic type II keratin-1; Keratin-77; K77; Type-II keratin Kb39
Protein Family	Keratin
UniProt Gene Name	Krt77
UniProt Synonym Gene Names	Krt1b; CK-1B; K77
NCBI Protein Information	keratin, type II cytoskeletal 1b
UniProt Comments for Krt77	MiscellaneousThere are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).
Research Articles on Krt77	**1.** Krt77 is the highest expressed gene among keratins in epidermis embryonic development.
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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