Melanocyte Protein PMEL (PMEL) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Melanocyte protein PMEL (PMEL), Recombinant Protein
Full Product Name	Recombinant Chicken Melanocyte protein PMEL (PMEL), partial
Product Gene Name	PMEL recombinant protein
Product Synonym Gene Name	PMEL
Sequence	VDVTQLEVAA GDGGSFVRNR PVAFNVRLHD PSHYLRDADI SYSWDFGDQS GTLISRSPTV THTYLQAGSF AARLVLQAAI PLSSCGTSAP PVVDPTTGPV P
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	77,038 Da
Sequence Positions	223-323. Partial
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 Q98917
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PMEL recombinant protein	MBS1375297 is a recombinant protein targeting PMEL. Also known as Recombinant Chicken Melanocyte protein PMEL (PMEL), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PMEL 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 PMEL. It may not necessarily be applicable to this product.

NCBI GI #	55925599
NCBI GeneID	396007
NCBI Accession #	NP_990443.2
UniProt Primary Accession #	Q98917
UniProt Secondary Accession #	Q6DW60; Q6DW61; Q6DW62; Q6DW63; Q6DW64; Q6DW65
UniProt Related Accession #	Q98917

GenBank Nucleotide #	NM_205112.2
NCBI Official Full Name	melanocyte protein PMEL
NCBI Official Synonym Full Names	premelanosome protein
NCBI Official Symbol	PMEL
NCBI Official Synonym Symbols	SILV; MMP115
UniProt Protein Name	Melanocyte protein PMEL
UniProt Synonym Protein Names	115 kDa melanosomal matrix protein; Melanocyte protein Pmel 17; Premelanosome protein; Silver locus protein homolog
Protein Family	Melanocyte protein
UniProt Gene Name	PMEL
UniProt Synonym Gene Names	MMP115; PMEL17; SILV
NCBI Protein Information	melanocyte protein PMEL
UniProt Comments for PMEL	Might be required for polymerization of melanin onto the core structure of melanosomes with enzymic function of tyrosinase.
Research Articles on PMEL	**1.** The study strongly suggests a correlated effect between plumage colour and behaviour, and we conclude that PMEL17 may have a pleiotropic effect on social and explorative behaviour in chickens.
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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