Craniofacial Development Protein 1 (CFDP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Craniofacial development protein 1 (Cfdp1), Recombinant Protein
Full Product Name	Recombinant Mouse Craniofacial development protein 1 (Cfdp1)
Product Gene Name	Cfdp1 recombinant protein
Sequence	MEEFDSEDFS TSDEDEDYLP SGGEYSEDDV NELVKEDEVD GEEQAEKTKG KRRKAQGIPA RKRKQSGLLL EEEEDGKEDS GGSSSEEDEE EQEGGLGSEN ARKKKEDELW ASFLNDVGPK SKAAPGSQTK VAEETEEISS NKPLVKADEL DKPRESEKVK ITKVFDFAGE EVRVTKEVDA ASKEAKSFLK QTEREKPQAL VTSPATPLPA GSGIKRASGM SSLLGKIGAK KQKMSTLEKS KLDWESFKEE EGIGEELAIH NRGKEGYIER KAFLDRVDHR QFEIERDLRL SKMKP
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	32,921 Da
Sequence Positions	1-295, 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 O88271
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cfdp1 recombinant protein	MBS1158584 is a recombinant protein targeting Cfdp1. Also known as Recombinant Mouse Craniofacial development protein 1 (Cfdp1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cfdp1 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 Cfdp1. It may not necessarily be applicable to this product.

NCBI GI #	6753412
NCBI GeneID	23837
NCBI Accession #	NP_035931.1
UniProt Primary Accession #	O88271
UniProt Secondary Accession #	O70565; Q9JMA5
UniProt Related Accession #	O88271

GenBank Nucleotide #	NM_011801.1
NCBI Official Full Name	craniofacial development protein 1
NCBI Official Synonym Full Names	craniofacial development protein 1
NCBI Official Symbol	Cfdp1
NCBI Official Synonym Symbols	Bcnt; Cfdp; cp27; AA408409; Bucentaur
UniProt Protein Name	Craniofacial development protein 1
UniProt Synonym Protein Names	27 kDa craniofacial protein; Bucentaur; Protein Cp27
Protein Family	Craniofacial development protein
UniProt Gene Name	Cfdp1
UniProt Synonym Gene Names	Bcnt; Cfdp; Cp27
NCBI Protein Information	craniofacial development protein 1
UniProt Comments for Cfdp1	May play a role during embryogenesis. May modulate tooth organogenesis since alterations of this protein function affect tooth organs size as well as individual cell fate and survival. In embryonic cells, blockage of the function results in increased number of apoptotic cells, reduced proliferation, alterations in cell shape and fibronection matrix synthesis.
Research Articles on Cfdp1	**1.** Cfdp1 contains consensus TFII-I binding sites in the proximal promoters; the chromatin immunoprecipitation analysis showed that TFII-I transcription factors are recruited to these sites in vivo in Williams-Beuren syndrome.
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