Mitochondrial Enolase Superfamily Member 1 (ENOSF1) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial enolase superfamily member 1 (ENOSF1), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Mitochondrial enolase superfamily member 1 (ENOSF1)
Product Gene Name	ENOSF1 recombinant protein
Product Synonym Gene Name	ENOSF1
Sequence	MVRGRIFRLS VRDVRFPTSL GGHGSDAMHT DPDYSAAYVV IETDAEDGIK GCGITFTLGK GTEVVVCAVN ALAHHVLNKD LKDIVGDFRG FYRQLTSDGQ PRWIGPEKGV VHLATAAVLN AVWDLWAKQE GKPVWKLLVD MDPRTLVSCI DFRYITDVLT EEDALEILQK GQVGKKEREK QMLAQGYPAY TTSCAWLGYS DDTLKQLCAQ ALKDGWTRFK VKVGADLQDD VRRCQIIRDM IGLEKTLMMD ANQRWDVPEA VEWMSKLAKF KPLWIEEPTS PDDILGHATI SKALVPLGIG IATGEQCHNR VIFKQLLQAK ALQFLQIDSC RLGSVNENLS VLLMAKKFEI PVCPHAGGVG LCELVQHLII FDYISVSASL ENRMCEYVDH LHEHFKYPVM IQRASYMPPK DPGYSTEMKE ESVKKHQYPD GEVWKKLLAA QEN
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	49,792 Da
Sequence Positions	1-443, 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 Q5RAT4
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ENOSF1 recombinant protein	MBS1407875 is a recombinant protein targeting ENOSF1. Also known as Recombinant Pongo abelii Mitochondrial enolase superfamily member 1 (ENOSF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ENOSF1 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 ENOSF1. It may not necessarily be applicable to this product.

NCBI GI #	197101351
NCBI GeneID	100172579
NCBI Accession #	NP_001125659.1

UniProt Primary Accession #	Q5RAT4
UniProt Related Accession #	Q5RAT4
GenBank Nucleotide #	NM_001132187.1
NCBI Official Full Name	mitochondrial enolase superfamily member 1
NCBI Official Symbol	ENOSF1
UniProt Protein Name	Mitochondrial enolase superfamily member 1
UniProt Synonym Protein Names	L-fuconate dehydratase
Protein Family	Mitochondrial enolase superfamily
UniProt Gene Name	ENOSF1
NCBI Protein Information	mitochondrial enolase superfamily member 1
UniProt Comments for ENOSF1	Plays a role in the catabolism of L-fucose, a sugar that is part of the carbohydrates that are attached to cellular glycoproteins. Catalyzes the dehydration of L-fuconate to 2-keto-3-deoxy-L-fuconate by the abstraction of the 2-proton to generate an enediolate intermediate that is stabilized by the magnesium ion. May down-regulate thymidylate synthase activity, possibly already at the RNA level, by promoting the degradation of TYMS mRNA via an antisense RNA-based mechanism.
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