Carboxylesterase 3a (CES3A) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carboxylesterase 3A (Ces3a), Recombinant Protein
Full Product Name	Recombinant Mouse Carboxylesterase 3A (Ces3a)
Product Gene Name	Ces3a recombinant protein
Product Synonym Gene Name	Ces3a
Sequence	PKVTQPEVDT PLGRVRGRQV GVKDTDRMVN VFLGIPFAQA PLGPLRFSAP LPPQPWEGVR DASINPPMCL QDVERMSNSR FTLNEKMKIF PISEDCLTLN IYSPTEITAG DKRPVMVWIH GGSLLVGSST SHDGSALAAY GDVVVVTVQY RLGIFGFLST GDKHMPGNRG FLDVVAALRW VQGNIAPFGG DPNCVTIFGN SAGGIIVSSL LLSPMSAGLF HRAISQSGVV ISKILEDLNA WSEAQNFANS VACGSASPAE LVQCLLQKEG KDLITKKNVN ISYTVNDSFF PQRPQKLLAN KQFPTVPYLL GVTNHEFGWL LLKFWNILDK MEHLSQEDLL ENSRPLLAHM QLPPEIMPTV IDEYLDNGSD ESATRYALQE LLGDITLVIP TLIFSKYLQD AGCPVFLYEF QHTPSSFAKF KPAWVKADHS SENAFVFGGP FLTDESSLLA FPEATEEEKQ LSLTMMAQWS QFARTGNPNG KGLPPWPQLN QLEQYLEIGL EPRTGVKLKK GRLQFWTETL PRKIQEWHRE QRSRKVPEEL
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	57,858 Da
Sequence Positions	32-571, 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 Q63880
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ces3a recombinant protein	MBS1458728 is a recombinant protein targeting Ces3a. Also known as Recombinant Mouse Carboxylesterase 3A (Ces3a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ces3a 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 Ces3a. It may not necessarily be applicable to this product.

NCBI GI #	257743054
NCBI GeneID	382053
NCBI Accession #	NP_001158153.1

UniProt Primary Accession #	Q63880
UniProt Secondary Accession #	Q3UEJ0; Q3UU08; Q6P8Z0; Q6PG74; Q810S9
UniProt Related Accession #	Q63880
GenBank Nucleotide #	NM_001164681.1
NCBI Official Full Name	carboxylesterase 3A isoform 2
NCBI Official Synonym Full Names	carboxylesterase 3A
NCBI Official Symbol	Ces3a
NCBI Official Synonym Symbols	Ces3; Es31; Ces31
UniProt Protein Name	Carboxylesterase 3A
UniProt Synonym Protein Names	ES-male; Liver carboxylesterase 31; Esterase-31
Protein Family	Carboxylesterase
UniProt Gene Name	Ces3a
UniProt Synonym Gene Names	Es31; Esterase-31
NCBI Protein Information	carboxylesterase 3A
UniProt Comments for Ces3a	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs.
Research Articles on Ces3a	**1.** This carboxylesterase proetin is linked to obesity and diabetes in mice
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