2-Oxoglutarate Dehydrogenase, Mitochondrial (CBG01737) Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-oxoglutarate dehydrogenase, mitochondrial (CBG01737), Recombinant Protein
Full Product Name	Recombinant 2-oxoglutarate dehydrogenase, mitochondrial (CBG01737)
Product Gene Name	CBG01737 recombinant protein
Product Synonym Names	2-oxoglutarate dehydrogenase, mitochondrial; EC=1.2.4.2; 2-oxoglutarate dehydrogenase complex component E1; OGDC-E1; Alpha-ketoglutarate dehydrogenase
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	115,481 Da
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 Q623T0
Species	Caenorhabditis briggsae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CBG01737 recombinant protein	MBS1308716 is a recombinant protein targeting CBG01737. Also known as Recombinant 2-oxoglutarate dehydrogenase, mitochondrial (CBG01737). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CBG01737 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 CBG01737. It may not necessarily be applicable to this product.

NCBI GI #	268552375
NCBI GeneID	8576165
NCBI Accession #	XP_002634170.1
UniProt Primary Accession #	Q623T0
UniProt Secondary Accession #	A8WQY9
UniProt Related Accession #	Q623T0
GenBank Nucleotide #	XM_002634124.1
NCBI Official Full Name	Hypothetical protein CBG01737

NCBI Official Symbol	CBG01737
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Synonym Protein Names	2-oxoglutarate dehydrogenase complex component E1; OGDC-E1; Alpha-ketoglutarate dehydrogenase
UniProt Gene Name	ogdh-1
UniProt Synonym Gene Names	OGDC-E1
UniProt Entry Name	ODO1_CAEBR
NCBI Protein Information	Hypothetical protein CBG01737
UniProt Comments for CBG01737	The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO2. It contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3) ().
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