

2-oxoglutarate dehydrogenase Recombinant Protein | Ogdh recombinant protein

Recombinant Mouse 2-oxoglutarate dehydrogenase, mitochondrial

CATALOG # AAA18787	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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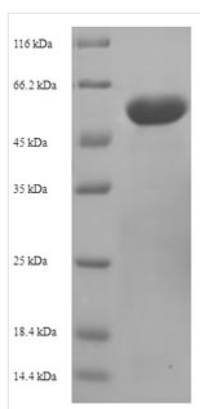
PRODUCT SYNONYMS

2-oxoglutarate dehydrogenase; Recombinant Mouse 2-oxoglutarate dehydrogenase; mitochondrial ; 2-oxoglutarate dehydrogenase complex component E1; OGDC-E1; Alpha-ketoglutarate dehydrogenase; Ogdh recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	695-1023aa; Partial
Sequence	VDKRTCIPMN HLWPNQAPYT VCNSSLSEYG VLGFEFGFAM ASPNALVLWE AQFGDFNNMA QCIIQFICP GQAKWVRQNG IVLLPHGME GMGPEHSSAR PERFLQMCND DPDVLPDLQE ENFDINQLYD CNWIVVNCST PGNFFHVLRR QILLPFRKPL IVFTPKSLLR HPEARTSFDE MLPGTHFQRV IPENGPAQD PHKVKRLLC TGKVYYDLTR ERKARNMEEE VAITRIEQLS PFPDLLLLKE AQKYPNAELA WCQEEHKNQG YYDYVKPRLR TTIDRAKPVW YAGRDPAAAP ATGNKKTHLT ELQRFLDTAF DLDAFKKFS
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Ogdh recombinant protein	The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO ₂ . It contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3).
Product Categories/Family for Ogdh recombinant protein	Metabolism

References	"Prediction of the coding sequences of mouse homologues of KIAA gene. The complete nucleotide sequences of mouse KIAA-homologous cDNAs identified by screening of terminal sequences of cDNA clones randomly sampled from size-fractionated libraries." Okazaki N., Kikuno R.F., Ohara R., Inamoto S., Nagase T., Ohara O., Koga H. Submitted (FEB-2005)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	356582477
NCBI GeneID	18293
NCBI Accession #	NP_001239211.1
NCBI GenBank Nucleotide #	NM_001252282.1
UniProt Accession #	Q60597; Q3UDM7; Q5DTI4; Q5SVX7; Q5SVX9; Q6PFZ2; Q80Y57; Q8K0K7; Q8K2Z3; Q8R3M2; Q91WP2
Molecular Weight	53.9 kDa
NCBI Official Full Name	2-oxoglutarate dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
NCBI Official Symbol	Ogdh
NCBI Official Synonym Symbols	d1401; AA409584; mKIAA4192; 2210403E04Rik; 2210412K19Rik
NCBI Protein Information	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Gene Name	Ogdh
UniProt Synonym Gene Names	Kiaa4192; OGDC-E1
UniProt Entry Name	ODO1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.