

2-oxoglutarate dehydrogenase Recombinant Protein | ODO1 recombinant protein

Recombinant Human 2-oxoglutarate dehydrogenase, mitochondrial

CATALOG #
AAA309735

HOST
E Coli

PRODUCT SYNONYMS

2-oxoglutarate dehydrogenase; Recombinant Human 2-oxoglutarate dehydrogenase; mitochondrial; 2-oxoglutarate dehydrogenase complex component E1; OGDC-E1; Alpha-ketoglutarate dehydrogenase; ODO1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer 50% glycerol
Sequence	SAPVAAEPFL SGTSSNYVEE MYCAWLENPK SVHKSWDIFF RNTNAGAPPG TAYQSPLPLS RGSAAVAHA QSLVEAQPNV DKLVEDHLAV QSLIRAYQIR GHHVAQLDPL GILDADLDSS VPADIISSTD KLGFYGLDES DLDKVFHLPT TFIGGQESA LPLREIIRRL EMAYCQHIGV EFMFINDLEQ CQWIRQKFET PGIMQFTNEE KRTLLARLVR STRFEEFLQR KWSSEKRFGL EGCEVLIPAL KTIIDKSSSEN GVDYVIMGMP HRGRLNVLAN VIRKELEQIF CQFDSKLEAA DEGSGDVKYH LGMYHRRINR VTDNRITLSL VANPSHLEAA DPVVMGKTKA EQFYCGDTEG KKVPRPRERRA RQIVKAPCSS MEFRSPT
Tag Info	N-terminal 6xHis-SUMO-tagged
Immunogen Description	Expression Region: 41-427aa Sequence Info: Full Length of Isoform 3
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C, -80°C. The shelf life of lyophilized form is 12 months at -20°C, -80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for ODO1 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51873038
NCBI GeneID	4967
NCBI Accession #	NP_001003941.1
NCBI GenBank Nucleotide #	NM_001003941.2
UniProt Accession #	Q02218; Q96DD3; Q9UDX0; B4E2U9; D3DVL0; E9PBM1
Molecular Weight	59.1 kDa
NCBI Official Full Name	2-oxoglutarate dehydrogenase, mitochondrial isoform 2

NCBI Official Synonym Full Names	oxoglutarate dehydrogenase
NCBI Official Symbol	OGDH
NCBI Official Synonym Symbols	E1k; OGDC; AKGDH
NCBI Protein Information	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Gene Name	OGDH
UniProt Synonym Gene Names	OGDC-E1

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.

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Online datasheet: <https://www.aaabiotech.com/ogdh-recombinant-protein-e-coli/309735>