



Recombinant Human 2-oxoglutarate dehydrogenase, mitochondrial(OGDH)

Product Code	CSB-EP016307HU
Relevance	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).
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.
Uniprot No.	Q02218
Storage Buffer	Tris-based buffer,50% glycerol
Alias	2-oxoglutarate dehydrogenase complex component E1 ;OGDC-E1Alpha-ketoglutarate dehydrogenase
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SAPVAAEPFLSGTSSNYVEEMYCAWLENPKSVHKSWDIFFRNTNAGAPPGTA YQSPLPLSRGSLAAVAHAQSLVEAQPNVDKLVEDHLAVQSLIRAYQIRGHHVA QLDPLGILDADLDSSVPADIISSTDKLGFYGLDESDLDKVFHLP TTTFIGGQESA LPLREIIRREMAYCQHIGVEFMFINDLEQCQWIRQKFETPGIMQFTNEEKRTL ARLVRSTRFEEFLQRKWSSEKRFGLGCEVLIPALKTIIDKSSENGVDYVIMGM PHRGRNLNLANVIRKELEQIFCQFDSKLEAADEGSGDVKYHLGMYHRRINRVT DRNITLSLVANPSHLEAADPVVMGKTKAEQFYCGDTEGKKVRPRERRARQIVK APCSSMEFRSPT
Source	E.coli
Gene Names	OGDH
Expression Region	41-427aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	59.1kDa
Protein Description	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.