

Recombinant Human OGDH Protein (41-427 aa), His-SUMO-tagged

Cat. No. OGDH-699H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGDH Protein (41-427 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	41-427 aa
Description	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).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.1 kDa
AA Sequence	SAPVAAEPFLSGTSSNYVEEMYCAWLENPKSVHKSWDIFFRNTNAGAPPGTAYQSP LPLSRGSLAAVAHAQSLVEAQPNDKLVEDHLAVQSLIRAYQIRGHHVAQLDPLGILD ADLDSSVPADIISSTDKLGFYGLDESDLDKVFHLPPTTTFIGGQESALPLREIIRLEMA YCQHIGVEFMFINDLEQCQWIRQKFETPGIMQFTNEEKRTLLARLVRSTRFEEFLQR KWSSEKRFGLEGCEVLIPALKTIIDKSSENGVDYVIMGMPHRGRNLNVLANVIRKELEQ

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	IFCQFDSKLEAADEGSGDVKYHLGMYHRRINRVTDNRNITLSLVANPSHLEAADPVVM GKTKAEQFYCGDTEGKKVRPRERRARQIVKAPCSSMEFRSPT
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	OGDH oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) [Homo sapiens]
Official Symbol	OGDH
Synonyms	OGDH; E1k; OGDC-E1; OGDC; AKGDH;
Gene ID	4967
mRNA Refseq	NM_001003941
Protein Refseq	NP_001003941
MIM	613022

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UniProt ID

Q02218



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

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