

Recombinant Human D2HGDH Protein (14-521 aa), His-SUMO-tagged

Cat. No. D2HGDH-1086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human D2HGDH Protein (14-521 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	14-521 aa
Description	Catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	70.8 kDa
AA Sequence	LRGAPGAAGSWGRPVGPLARRGCCSAPGTPEVPLTRERYPVRRLPFSTVSKQDLA AFERIVPGGVVTDPEALQAPNVDWLRTLRGCSKVLLRPRTSEEVSILRHCHERNLA VNPQGGNTGMVGGSPVPVFDEIILSTARMNRVLSFHSVSGILVCQAGCVLEELSRIVE ERDFIMPLDLGAKGSCHIGGNVATNAGGLRFLRYGSLHGTVLGLEVLADGTVLDCL TSLRKDNTGYDLKQLFIGSEGTLGIITTVSILCPPKPRAVNVAFLGCPGFAEVLQTFST CKGMLGEILSAFEFMDAVCMQLVGRHLHLASPVQESPFYVLIETSGSNAGHDAEKL GHFLEHALGSGLVTDGTMATDQRKVKMLWALRERITEALSRDGYVYKYDLSLPVER LYDIVTDLRARLGPHAKHVVGYGHLGDGNLHLNVTAEAFSPSLAALPHVYEWTAG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	QQGSVSAEHGVGFRKRDVLGYSKPPGALQLMQQLKALLDPKGILNPYKTLPSQA
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.

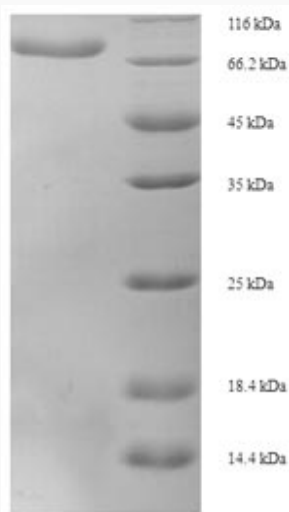
GENE INFORMATION

Gene Name	D2HGDH D-2-hydroxyglutarate dehydrogenase [Homo sapiens (human)]
Official Symbol	D2HGDH
Synonyms	D2HGD;
Gene ID	728294
UniProt ID	Q8N465

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

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