

Recombinant Danio Rerio D2HGDH Protein (56-533 aa), His-tagged

Cat. No. D2HGDH-1628D Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Danio Rerio (Zebrafish) (Brachydanio rerio) D2HGDH Protein (56-533 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.

Species zebrafish

Source Yeast

ProteinLength 56-533 aa

Description Catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate.

Form Tris-based buffer, 50% glycerol

Molecular Mass 54.3 kDa

AA Sequence

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ANPANPSAAPPRLPFSRVTQEDLSFFRALLPGRITITDPDLLKSSNVDWLKTVQGSSD
VLLRPKTTEGVSQILRYCNERNLAVCPQGGNTGLVGGSSVPVFDEIILSTSLMNQVFA
FDNISGILTCQAGCVLENLSHYLEERDFIMPLDLGAKGSCHIGGNVSTNAGGLRLLRY
GSLRGTVLGLEVVADGHVLNCLATLRKDNTGYDLKQLFIGSEGTLGVITAVSILCPR
KPKAVNVAFLGCSSFQQLLETFQCCRGMLGEILSAFEFLDASCMNLLKHLKLTNPIT
ECPFYIVIETAGSNATHDEEKLHQFLEEVMTSSLVTDGTVATEATKIKALWSLRERV
EALTHEGYTYKYDISLPVEKIYDLVQDMRRHLGGMAKNVVG YGHVGDGNLHLNITSP
SKDFDLLAAIEPYVYEWTSQWKGSISAEHGLGLKKNRYIYYSKPSEAVALMGSIKAM
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	LDPKGILNPYKTLPDNIN
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 reconstitution instruction is sent along with the products.

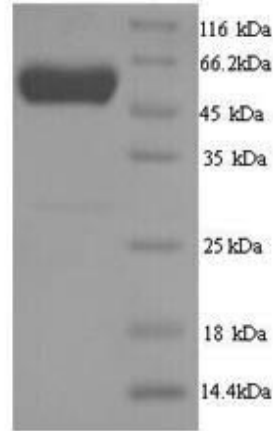
GENE INFORMATION

Gene Name	d2hgdh D-2-hydroxyglutarate dehydrogenase [<i>Danio rerio</i> (zebrafish)]
Official Symbol	D2HGDH
Synonyms	zgc:158661;
Gene ID	565889
mRNA Refseq	NM_001080597
Protein Refseq	NP_001074066
UniProt ID	A1L258

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

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