Recombinant Human DHDH Protein, GST-tagged

Cat. No. DHDH-2584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DHDH full-length ORF (NP_055290.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction. [provided by RefSeq, Jul 2008]
Molecular Mass	62.8 kDa
AA Sequence	MALRWGIVSVGLISSDFTAVLQTLPRSEHQVVAVAARDLSRAKEFAQKHDIPKAYGS YEELAKDPSVEVAYIGTQHPQHKAAVMLCLAAGKAVLCEKPTGVNAAEVREMVAEA RSRALFLMEAIWTRFFPASEALRSVLAQGTLGDLRVARAEFGKNLIHVPRAVDRAQA GGALLDIGIYCVQFTSMVFGGQKPEKISVVGRRHETGVDDTVTVLLQYPGEVHGSFT CSITVQLSNTASVSGTKGMVQLLNPCWCPTELVVKGEHKEFPLPPVPKDCNFDNGA GMSYEAKHVWECLRKGMKESPVIPLSESELLADILEEVRKAIGVTFPQDKR

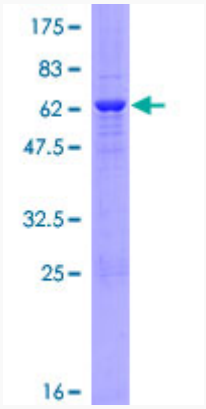
Tel: 1-631-559-9269 1-516-512-3133
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DHDH dihydrodiol dehydrogenase (dimeric) [Homo sapiens]
Official Symbol	DHDH
Synonyms	DHDH; dihydrodiol dehydrogenase (dimeric); trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; HUM2DD; D-xylose 1-dehydrogenase; 3-deoxyglucosone reductase; D-xylose-NADP dehydrogenase; 2DD;
Gene ID	27294
mRNA Refseq	NM_014475
Protein Refseq	NP_055290
MIM	606377
UniProt ID	Q9UQ10

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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