

Recombinant Full Length Human DHDH Protein, GST-tagged

Cat. No. DHDH-2525HF **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	In Vitro Cell Free System
ProteinLength	334 amino acids
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 YEELAKDPSVEVAYIGTQHPQHKAAMVLCCLAAAGKAVLCEKPTGVNAAEVREMVAEA RSRALFLMEAIWTRFFPASEALRSVLAQGTGLDLRVARAEFGKNLIHVPRAVDRAQA GGALLDIGIYCVQFTSMVFGGQKPEKISVVGRRHETGVDDTVTVLLQYPGEVHGSFT CSITVQLSNTASVSGTKGMVQLLNPCWCPTLVVKGEHKEFPLPPVPKDCNFDNGA

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GMSYEAKHVWECLRKG MKESPVIPLSESELLADILEEVRKAIGVTFPQDKR

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

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UniProt ID

Q9UQ10

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