

Recombinant Human DHDH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHDH-6662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHDH MS Standard C13 and N15-labeled recombinant protein (NP_055290) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	36.4 kDa
AA Sequence	MALRWGIVSVGLISSDFTAVLQTLPRSEHQVVAVAARDLSRAKEFAQKHDIPKAYGS YEELAKDPSVEVAYIGTQHPQHKAAMVLCCLAGKAVLCEKPTGVNAAEVREMVAAE RSRALFLMEAIWTRFFPASEALRSVLAQGTGLDLRVARAEFGKNLIHVPRAVDRAQA GGALLDIGIYCVQFTSMVFGGQKPEKISVVGRRHETGVDDTVTVLLQYPGEVHGSFT CSITVQLSNTASVSGTKGMVQLLNPWCWCPTEL VVKGEHKEFPLPPVPKDCNFDNGA GMSYEAKHVWECLRKG MKESPVIPLSESELLADILEEVRKAIGVTFPQDKRSGPTRT

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RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DHDH dihydrodiol dehydrogenase [Homo sapiens (human)]
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

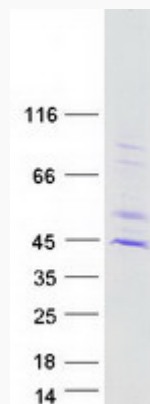
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UniProt ID

Q9UQ10

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