

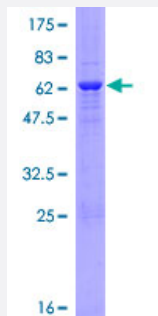
Full-Length

DHDH (Human) Recombinant Protein (P01)

Catalog # H00027294-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DHDH full-length ORF (NP_055290.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALRWGIVSVGLISSDFTAVLQTLPRSEHQVVAVAARDLSRAKEFAQKHDIPKAYGSYEELAKDP
SVEVAYIGTQHPQHKAAMVLCCLAAAGKAVLCEKPTGVNAAEVREMAEARSRALFLMEAWTRFF
PASEALRSVLAQGTLDLRVARAEFGKNLIHVPRVDRAQAGGALLDIGYCVQFTSMVFGGQKP
EKISVVGRRHETGVDDTVTVLLQYPGEVHGSFTCSITVQLSNTASVSGTKGMVQLLNPWCPTL
VVKGEHKEFPLPPVPKDCNFDNGAGMSYEAKHVWECLRKGMKESPIPLSESELLADILEEVRK
AIGVTFPQDKR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.8

Interspecies Antigen Sequence

Mouse (78); Rat (77)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DHDH

Entrez GeneID[27294](#)**GeneBank Accession#**[NM_014475.2](#)**Protein Accession#**[NP_055290.1](#)**Gene Name**

DHDH

Gene Alias

HUM2DD

Gene Description

dihydrodiol dehydrogenase (dimeric)

Omim ID[606377](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

3-deoxyglucosone reductase|dimeric dihydrodiol dehydrogenase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Lung Neoplasms](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)