

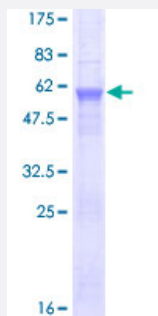
Full-Length

ADH6 (Human) Recombinant Protein (P01)

Catalog # H00000130-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADH6 full-length ORF (AAH39065.1, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTTGQVIRCKAAILWKPGAPFSIEEVEVAPPKAKEVRIKVVATGLCGTEMKVLGSKHLDLLYPTIL
GHEGAGVESIGEGVSTVKPGDKVITLFLPQCGETSCLNSEGNFCIQFKQSKTQLMSDGTSRFTC
KGKSIYHFGNTSTFCEYTVIKEISVAKIDAVAPLEKVCLISCGFSTGFGAINTAKVTPGSTCAVFGL
GGVGLSVVMGCKAAGAARIIGVDVNKEKFKAQELGATECLNPQDLKKPIQEVLFDMTDAGIDFC
FEAIGNLDVLAGRADSTSLNWLLIWQRS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

57.7

Interspecies Antigen Sequence

Rat (67)

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 — ADH6

Entrez GeneID[130](#)**GeneBank Accession#**[BC039065.1](#)**Protein Accession#**[AAH39065.1](#)**Gene Name**

ADH6

Gene Alias

ADH-5

Gene Description

alcohol dehydrogenase 6 (class V)

Omim ID[103735](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes class V alcohol dehydrogenase, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This gene is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000161649|aldehyde reductase|class V alcohol dehydrogenase 6

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [3-Chloroacrylic acid degradation](#)
- [Drug metabolism - cytochrome P450](#)
- [Fatty acid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Alcoholism](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Substance-Related Disorders](#)