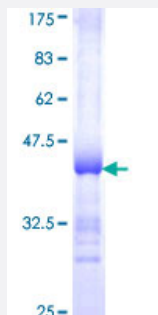


ADH4 (Human) Recombinant Protein (Q01)

Catalog # H00000127-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ADH4 partial ORF (NP_000661, 52 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SVIDSKFEGLAFPVIVGHEAAGIVESIGPGVTNVKPGDKVIPLYAPLCRKCKFCLSPLTNLCGKISNLKSPASDQQLMEDKTSRFTCKGKPVYHFFGTS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (73); Rat (74)
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 — ADH4

Entrez GeneID [127](#)

GeneBank Accession# [NM_000670](#)

Protein Accession# [NP_000661](#)

Gene Name ADH4

Gene Alias ADH-2

Gene Description alcohol dehydrogenase 4 (class II), pi polypeptide

Omim ID [103740](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes. [provided by RefSeq]

Other Designations aldehyde reductase|class II alcohol dehydrogenase 4, pi subunit

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

- [Adenocarcinoma](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cluster Headache](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)
- [Flushing](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Personality Inventory](#)

- [Substance-Related Disorders](#)