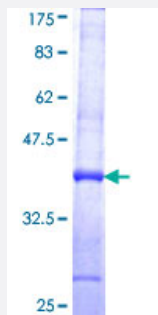


ADH7 (Human) Recombinant Protein (Q01)

Catalog # H00000131-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADH7 partial ORF (NP_000664, 257 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTGNNVG YTFE VIGHLET MIDALASCHMNYGTSVVVGVP PPSAKMLTYDPMLLFTGRTWKGC VFG GLKSRDDVPKLVTEFLAKKFDLDQLITHVLPFKKISEGFELLNSGQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (86)
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 — ADH7

Entrez GeneID [131](#)

GeneBank Accession# [NM_000673](#)

Protein Accession# [NP_000664](#)

Gene Name ADH7

Gene Alias ADH-4

Gene Description alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide

Omim ID [600086](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, 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 . The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members. [provided by RefSeq]

Other Designations alcohol dehydrogenase-7[class IV alcohol dehydrogenase 7 mu or sigma subunit]gastric alcohol dehydrogenase

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

- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Carcinoma](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Multiple System Atrophy](#)
- [Oropharyngeal Neoplasms](#)

- [Substance-Related Disorders](#)