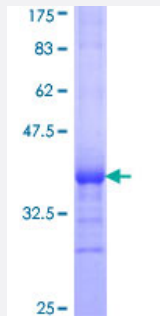


# ADH6 (Human) Recombinant Protein (Q01)

Catalog # H00000130-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ADH6 partial ORF ( NP_000663, 55 a.a. - 144 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	GSKHLDLLYPTILGHEGAGIVESIGEGVSTVKPGDKVITLFLPQCGETSCLNSEGNFCIQFKQSKT QLMSDGTSRFTCKGKSIYHFGNT
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.64
<b>Interspecies Antigen Sequence</b>	Rat (59)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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# [NM\\_000672](#)

Protein Accession# [NP\\_000663](#)

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](#)