

# Recombinant Human ADH6 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ADH6-3807H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ADH6 MS Standard C13 and N15-labeled recombinant protein (NP_001095940) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 39.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MSTTGQVIRCKAAILWKPGAPFSIEEVEVAPPKAKEVRIKVVATGLCGTEMKVLGSK<br>HLDLLYPTILGHEGAGIVESIGEGVSTVKPGDKVITLFLPQCGETSCLNSEGNFCIQF<br>KQSKTQLMSDGTSRFTCKGKSIYHFGNTSTFCEYTVIKEISVAKIDAVAPLEKVCLISC<br>GFSTGFGAAINTAKVTPGSTCAVFGLGGVGLSVVMGCKAAGAARIIGVDVNKEKFKK<br>AQELGATECLNPQDLKKPIQEVLFDMTDAGIDFCFEAIGNLDVLAALASCNESYGV<br>CVVVGVLPAVQLKISGQLFFSGRSLKGSVFGGWKSQRQHIPKLVADYMAEKLNLDP                                                                                                                                                                                                     |

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ITHTLNLDKINEAVELMKTGKRCIRCLLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ADH6 alcohol dehydrogenase 6 (class V) [ Homo sapiens (human) ]

**Official Symbol** ADH6

**Synonyms** ADH6; alcohol dehydrogenase 6 (class V); alcohol dehydrogenase 6; ADH 5; aldehyde reductase; ADH-5;

**Gene ID** 130

**mRNA Refseq** NM\_001102470

**Protein Refseq** NP\_001095940

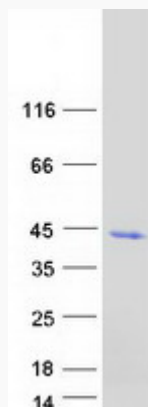
**MIM** 103735

**UniProt ID** P28332

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**SDS-PAGE**

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