

ADH5 recombinant protein

ADH5, 1-374aa, Human, His tag, E Coli

CATALOG # AAA48771	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

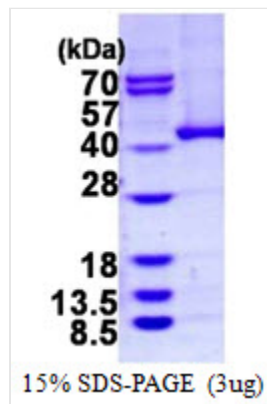
PRODUCT SYNONYMS

ADH5; 1-374aa; Human; His tag; E Coli; Alcohol dehydrogenase class-3; ADHX; FDH; ADH5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 7.5) containing 20% glycerol 0.1M NaCl, 1mM DTT
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHPANEVI KCKAAVAWEA GKPLSIEEIE VAPPKAHEVR IKIATAVCH TDAYTLTGAD PEGCFPVILG HEGAGIVESV GEGVTKLKAG DTVIPLYIPQ CGECKFCLNP KTNLCQKIRV TQKGGLMPDG TSRFTCKGKT ILHYMGTSF SEYTVVADIS VAKIDPLAPL DKVCLLGCGI STGYGAAVNT AKLEPGSVCA VFGLGGVGLA VIMGCKVAGA SRIIGVDINK DKFARAKEFG ATECINPQDF SKPIQEVLE MTDGGVDYSF ECIGNVKVMR AALEACHKGW GVSVVVGVA SGEIATRPF QLVGTGRWKG TAFGGWKSVE SVPKLVS EYM SKKIKVDEFV THNLSFDEIN KAFELMHSGK SIRTVVKI
Sequence Length	374
Applicable Applications for ADH5 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ADH5 recombinant protein	ADH5 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. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. Recombinant human ADH5 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ADH5 recombinant protein	Signal Transduction
References	Zhang,X. et al. (2010) Carcinogenesis 31 (12), 2118-2123; Shimada,M. et al. (2010) Hum. Genet. 128 (4), 433-441

NCBI AND UNIPROT INFORMATION

NCBI GI #	71565154
NCBI GeneID	128
NCBI Accession #	NP_000662
NCBI GenBank Nucleotide #	NM_000671.4
UniProt Accession #	P11766; Q6FHR2
Molecular Weight	42.3 kDa (398aa), confirmed by MALDI-TOF
NCBI Official Full Name	alcohol dehydrogenase class-3
NCBI Official Synonym Full Names	alcohol dehydrogenase 5 (class III), chi polypeptide
NCBI Official Symbol	ADH5
NCBI Official Synonym Symbols	FDH; ADHX; ADH-3; FALDH; GSNOR; GSH-FDH; HEL-S-60p
NCBI Protein Information	alcohol dehydrogenase class-3
UniProt Protein Name	Alcohol dehydrogenase class-3
UniProt Gene Name	ADH5
UniProt Synonym Gene Names	FALDH; FDH; GSH-FDH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/adh5-recombinant-protein-e-coli-sds-page/48771>