

Recombinant Human Alcohol dehydrogenase class-3(ADH5)

Catalog No: #AP70010

Package Size: #AP70010-1 20ug #AP70010-2 100ug #AP70010-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Alcohol dehydrogenase class-3(ADH5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-374aaSequence Info:Full Length
Other Names	Alcohol dehydrogenase 5;Alcohol dehydrogenase class chi chain;Alcohol dehydrogenase class-III;Glutathione-dependent formaldehyde dehydrogenase (EC:1.1.1.-) ;FALDH ;FDH ;GSH-FDHS-(hydroxymethyl)glutathione dehydrogenase (EC:1.1.1.284)
Accession No.	P11766
Calculated MW	66.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	ANEVIKCKAAVAWEAGKPLSIEEIEVAPPKAHEVRIKIATAVCHTDAYTLSGADPEGCFPVILGHEGAGIVESVG EGVTCLKAGDTPVLIPIYQCGECKFCLNPKTNLCQKIRVTQKGKGLMPDGTSRFTCKGKTLHYMGSTFSEYTV VADISVAKIDPLAPLDKVCLLGCGISTGYGAAVNTAKLEPGSVCAVFLGGVGLAVIMGCKVAGASRIIGVDINK DKFARAKEFGATECINPQDFSKPIQEVLIEMTDGGVDYSFECIGNVKVMRAALEACHKGWGVSVVVGVAASG EEIATRPFLVTGRTWKGTAFGGWKSVESVPKLVSEYMSKKIKVDEFVTHNLSFDEINKAFELMHSGKSIRTVV KI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Class-III ADH is rarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione.

References

cDNA sequence of human class III alcohol dehydrogenase.Sharma C.P., Fox E.A., Holmquist B., Joernvall H., Vallee B.L.Biochem. Biophys. Res. Commun. 164:631-637(1989)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.