

# Recombinant Homo sapiens Peroxisomal multifunctional enzyme type 2

Catalog No: #AP72599

Orders: order@signalwayantibody.com

Package Size: #AP72599-1 20ug #AP72599-2 100ug #AP72599-3 1mg

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Homo sapiens Peroxisomal multifunctional enzyme type 2
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-736aaSequence Info:Full Length
Other Names	<p>17-beta-hydroxysteroid dehydrogenase 4</p> <p>Short name:</p> <p>17-beta-HSD 4</p> <p>D-bifunctional protein</p> <p>Short name:</p> <p>DBP</p> <p>Multifunctional protein 2</p> <p>Short name:</p> <p>MPF-2</p> <p>Short chain dehydrogenase, reductase family 8C member 1</p> <p>Cleaved into the following 2 chains:</p> <p>(3R)-hydroxyacyl-CoA dehydrogenase (EC:1.1.1.n12)</p> <p>Enoyl-CoA hydratase 2 (EC:4.2.1.107, EC:4.2.1.119)</p> <p>Alternative name(s):</p> <p>3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase</p>
Accession No.	P51659
Uniprot	P51659
GeneID	3295;
Calculated MW	81.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>MGSP LRF DGRV VLV T GAG AGL GRAY ALA FAER GAL VVV NDLGGDFKGVGKGS LAADKVV EEIRRRGGKAVA</p> <p>NYDSVEEGEKVVK TALDAFGRIDVVNNAGILRDRSFARISDEDWDIIHRVHLRGSFQVTRAAWEHMKKQKYG</p> <p>RIIMTSSASGIYGNFGQANYSAAKLGLLGLANSLAIEGRKSNHCNTIAPNAGSRMTQTVMPEDLVEALKPEYVA</p> <p>PLVLWLCHESCEENGGLFEVGAGWIGKLRWERTLGAIVRQKNHPMTPEAVKANWKKICDFENASKPQSIQES</p> <p>TGSIIEVLSKIDSEGGVSANHTSRATSTATSGFAGAIGQKLPFSYAYTELEAIMYALGVGASIKDPKDLKFIYEG</p> <p>SSDFSCLPTFGVIIGQKSMGGGLAEIPGLSINF AKVLHGEQYLELYKPLPRAGKLC EAVVADVLDKSGSVVII</p> <p>MDVYSYSEKELICHNQFSLFLVGS GGFGGKRTSDKVKVAVAI PNRPDAVLTDTTSLNQAALYRLSGDWNPLH</p> <p>IDPNFASLAGFDKPIHLGLCTFGFSARRVLQQFADNDVSRFKAIKARFAKPVYPGQTLQTEMWKEGNRIHFQT</p> <p>KVQETGDIVISNAYVDLAPTS GTS AKTPSEGGK LQSTFVFEEIGRR LKDIGPEVVKVNAVFEWHITKGGNIGAK</p> <p>WTIDLKSGSGKVYQGPAGGAADTTIILSDEDFMEVVLGKLDPQKAFFSGRLKARGNIMLSQKLQMLKDYAKL</p>
Formulation	Tris-based buffer 50% 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.

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## Background

Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids

## References

"The DNA sequence and comparative analysis of human chromosome 5."Schmutz J., Martin J., Terry A., Couronne O., Grimwood J., Lowry S., Gordon L.A., Scott D., Xie G., Huang W., Hellsten U., Tran-Gyamfi M., She X., Prabhakar S., Aerts A., Altherr M., Bajorek E., Black S. Rubin E.M.Nature 431:268-274(2004) Research Topic:Cancer

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Note: This product is for in vitro research use only