

Recombinant Human Succinate-semialdehyde dehydrogenase, mitochondrial(ALDH5A1)

Catalog No: #AP70031

Package Size: #AP70031-1 20ug #AP70031-2 100ug #AP70031-3 1mg

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

Description

Product Name	Recombinant Human Succinate-semialdehyde dehydrogenase, mitochondrial(ALDH5A1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:48-535aaSequence Info:Full Length
Other Names	Aldehyde dehydrogenase family 5 member A1; A1NAD(+)-dependent succinic semialdehyde dehydrogenase
Accession No.	P51649
Calculated MW	68.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	AGRLAGLSAALLRTDSFVGGRWLPAAATFPVQDPASGAALGMVADCGVREARAAVRAAYEAFCRWREVSARK ERSSLLRKWYNLMIQNKDDLARIITAESGKPLKEAHGEILYSAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQ PIGVAAVITPWNFPSAMITRKVGAALAAGCTVVVKPAEDTPFSALALAEASQAGIPSGVYNVIPCSRKNAKEV GEAICTDPLVSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFIVFDSANVDQAVAGAMASKFRNTGQTCV CSNQFLVQRGIHDAFVKAFAMKKNLRVGNFGFEEGTTQGPLEKAVEKVEKQVNDVAVSKGATVVTGGKRH QLGKNFFFEPTLLCNVTQDMLCTHEETFGLAPVIKFDTEEEAIAIANAADVGLAGYFYSDPAQIWRVAEQLEV GMVGVNEGLISSVECPFGGVKQSGLGREGSKYGIDEYLELKVCYGGGL
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

Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA).

References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuegger T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) Research Topic:Metabolism

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