

Recombinant Human Aspartyl,asparaginyl beta-hydroxylase(ASPH),partial

Catalog No: #AP70060

Package Size: #AP70060-1 20ug #AP70060-2 100ug #AP70060-3 1mg

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

Description

Product Name	Recombinant Human Aspartyl,asparaginyl beta-hydroxylase(ASPH),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:75-270aaSequence Info:Partial of Isoform 6
Other Names	Aspartate beta-hydroxylase ;ASP beta-hydroxylase;Peptide-aspartate beta-dioxygenase
Accession No.	Q12797
Calculated MW	38.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	FDLVDYEEVLGKLGIDADGDGDFDVAKVLGLKERSTSEPAVPPEEAEPHTEPEEQVPVEAEPQNIIDEA KEQIQSLLHEMVHAEHETESYHVEETVSQDCNQDMEEMMSEQENPDSSEPVEDERLHHDDVTYQVYE EQAVYEPLENEGIEITEVTAPPEDNPVEDSQVIVEEVSIQVVEEQVEVPPDT
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

Isoform 1: specifically hydroxylates an Asp or Asn residue in certain epidermal growth factor-like (EGF) domains of a number of proteins.

References

DNA sequence and analysis of human chromosome 8.Nusbaum C., Mikkelsen T.S., Zody M.C., Asakawa S., Taudien S., Garber M., Kodira C.D., Schueler M.G., Shimizu A., Whittaker C.A., Chang J.L., Cuomo C.A., Dewar K., FitzGerald M.G., Yang X., Allen N.R., Anderson S., Asakawa T. , Blechschmidt K., Bloom T., Borowsky M.L., Butler J., Cook A., Corum B., DeArellano K., DeCaprio D., Dooley K.T., Dorris L. III, Engels R., Gloeckner G., Hafez N., Hagopian D.S., Hall J.L., Ishikawa S.K., Jaffe D.B., Kamat A., Kudoh J., Lehmann R., Lokitsang T., Macdonald P., Major J.E., Matthews C.D., Mauceli E., Menzel U., Mihalev A.H., Minoshima S., Murayama Y., Naylor J.W., Nicol R., Nguyen C., O'Leary S.B., O'Neill K., Parker S.C.J., Polley A., Raymond C.K., Reichwald K., Rodriguez J., Sasaki T., Schilhabel M., Siddiqui R., Smith C.L., Sneddon T.P., Talamas J.A., Tenzin P., Topham K., Venkataraman V., Wen G., Yamazaki S., Young S.K., Zeng Q., Zimmer A.R., Rosenthal A., Birren B.W., Platzer M., Shimizu N., Lander E.S.Nature 439:331-335(2006)Research Topic:Signal Transduction

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