

Datasheet for ABIN7558863

Aspartate beta Hydroxylase Protein (AA 1-741) (His tag)



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Overview

Quantity:	1 mg
Target:	Aspartate beta Hydroxylase (ASPH)
Protein Characteristics:	AA 1-741
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aspartate beta Hydroxylase protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat AspH Protein expressed in mammalian cells.
Sequence:	<p>MAPRKNAKGG GGNSSSSGSG SGSGSGSPST GSSGSSSSPG ARREAKHGGH KNRRRGGISG</p> <p>GSFFTWMVI ALLGVWTSVA VWFDLVDYE EVLGKLGVDY ADGDGDFDVG DAKVLLGLKE</p> <p>RSPSERTFPP EEEAETHAEL EEQAPEGADI QNVEDEVKEQ IQSLLQESVH TDHDLADGL</p> <p>AGEPQPEVED FLTVTDSDDR FEDLEPGTVH EEIEDTYHVE DTASQNHND MEEMTNEQEN</p> <p>SDPSEAVTDA GVLLPHAEV RHQDYDEPVY EPSEHEGVAI SDNTIDDSSI ISEEINVASV</p> <p>EEQDTPPVK KKKPKLLNKF DTKIKAELDA AEKLRKRGKI EEAUNAEEEL VRKYPQSPRA</p> <p>RYGKAQCEDD LAEKQRSNEV LRAIETYQE AADLPDAPTD LVKLSLKRRS ERQQFLGHMR</p> <p>GSLTLQRLV QLFPSDTTLK NDLGVGYLLL GDNDSAKKVY EEVLNVTND GFAKVHYGFI</p> <p>LKAQNKISES IPYLKEGIES GDPGTDDGRF YFHLGDAMQR VGNKEAYKWY ELGHKRGHFA</p> <p>SVWQRSLYNV NGLKAQPWWT PRETGYTELV KSLERNWKLI RDEGLMVMDK AKGLFLPEDE</p> <p>NLREKGDWSQ FTLWQQGRKN ENACKGAPKT CALLEKFSET TGCRRGQIKY SIMHPGTHVW</p>

Product Details

PHTGPTNCRL RMHLGLVIPK EGCKIRCANE TRTWEEGKVL IFDDSEFEHV WQDASSFRLI
FIVDVWHPQL TPQRRSLPA | **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Aspartate beta Hydroxylase (ASPH)
Alternative Name:	Asph (ASPH Products)
Background:	Aspartyl/asparaginyl beta-hydroxylase (EC 1.14.11.16) (Aspartate beta-hydroxylase) (ASP beta-hydroxylase) (Peptide-aspartate beta-dioxygenase),FUNCTION: [Isoform 1]: Specifically hydroxylates an Asp or Asn residue in certain epidermal growth factor-like (EGF) domains of a number of proteins. {ECO:0000269 PubMed:11773073}.
Molecular Weight:	83.0 kDa
UniProt:	Q8BSY0
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months