

Product information

ASPH, 75-270 aa

Human, His-tagged, Recombinant, E.coli

Cat. No. IBATGP0484

Full Name: Aspartyl/asparaginyl beta-hydroxylase NCBI Accession No.: NP_001158227

Synonyms: AAH, BAH, CASQ2BP1, HAAH, JCTN, junctin

Description: ASPH (Aspartate beta-hydroxylase) is a widely-expressed type II membrane protein involved in calcium homeostasis. Located in the endoplasmic reticulum, ASPH specifically hydroxylates an Asp or Asn residue in the epidermal growth factor-like (EGF) domains of several proteins, using iron as a cofactor. While all ASPH variants are expressed in skeletal muscle, only some are detected in heart, brain, pancreas, placenta, lung, liver, and kidney tissues. Recombinant human ASPH protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT

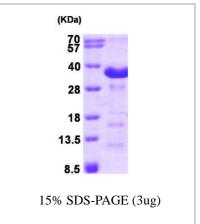
10% glycerol

Molecular Weight: 24.5 kDa (217aa)

(Real molecular weight on SDS-PAGE will be shifted up)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MFDLVDYEEV LGKLGIYDAD GDGDFDVDDA KVLLGLKERS TSEPAVPPEE AEPHTEPEEQ VPVEAEPQNI EDEAKEQIQS LLHEMVHAEH ETEHSYHVEE TVSQDCNQDM EEMMSEQENP DSSEPVVEDE RLHHDTDDVT YQVYEEQAVY EPLENEGIEI TEVTAPPEDN PVEDSQVIVE EVSIFPVEEQ QEVPPDT

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General references:

Kwon SJ., et al. (2009) Biochem Biophys Res Commun. 390(4):1389-94.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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