

Datasheet for ABIN7273879

Aspartate beta Hydroxylase Protein (AA 324-741) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Aspartate beta Hydroxylase (ASPH)
Protein Characteristics:	AA 324-741
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aspartate beta Hydroxylase protein is labelled with His tag.

Product Details

Purpose:	Mouse ASPH Protein
Sequence:	Ile324-Ile741
Characteristics:	Recombinant Mouse ASPH Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ile324-Ile741.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Aspartate beta Hydroxylase (ASPH)
Alternative Name:	ASPH (ASPH Products)

Target Details

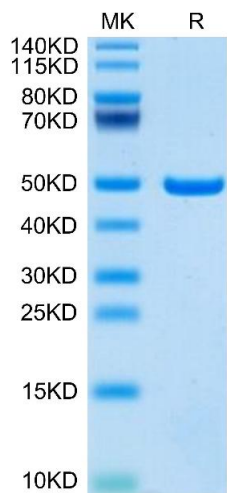
Background:	Aspartate β -hydroxylase (ASPH) is silent in normal adult tissues only to re-emerge during oncogenesis where its function is required for generation and maintenance of malignant phenotypes. Exosomes enable prooncogenic secretome delivering and trafficking for long-distance cell-to-cell communication. Expression profiling of Notch signaling components positively correlates with ASPH expression in breast cancer patients, confirming that ASPH-Notch axis acts functionally in breast tumorigenesis.
Molecular Weight:	49.4 kDa same as Tris-Bis PAGE result.
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
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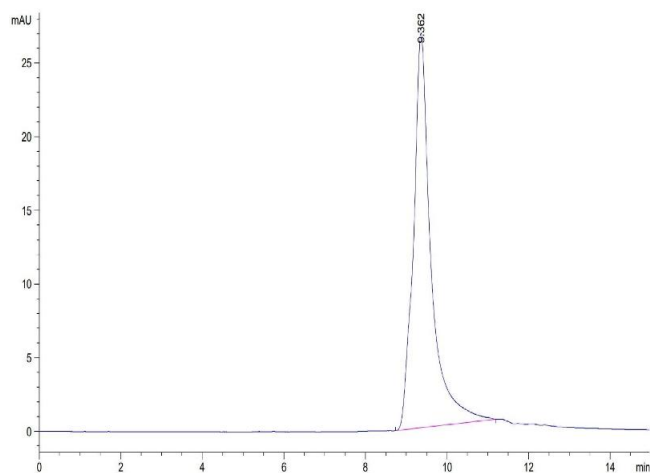
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse ASPH on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse ASPH is greater than 95 % as determined by SEC-HPLC.