Human ASPH Protein

Cat. No. ASP-HE101

Description

Source	Recombinant Human ASPH Protein is expressed from E.coli with His tag at the N-Terminus.
	It contains Ile341-Ile758.
Accession	Q12797-1
Molecular Weight	The protein has a predicted MW of 49.2 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

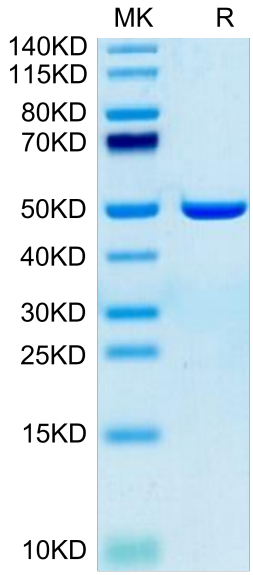
Formulation	Supplied as 0.22μm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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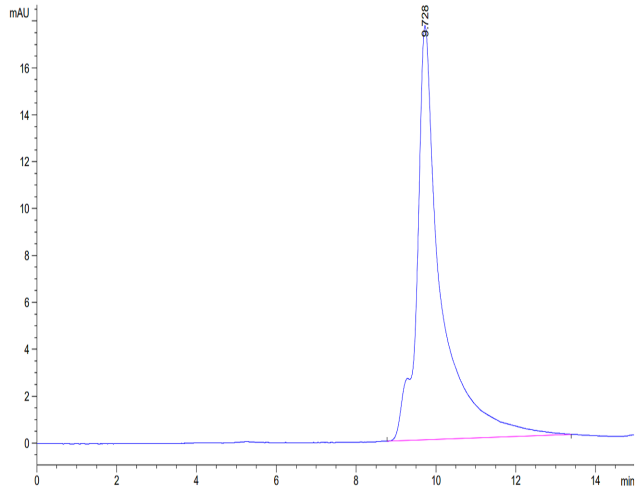

The purity of Human ASPH is greater than 95% as determined by SEC-HPLC.