

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 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

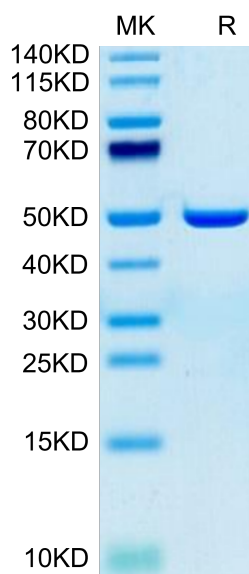
Formulation	Supplied as 0.22 μ m filtered solution in 20mM Tris, 500mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

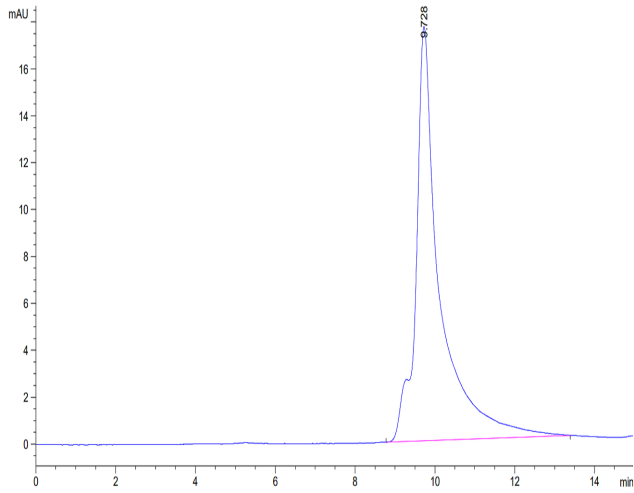
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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