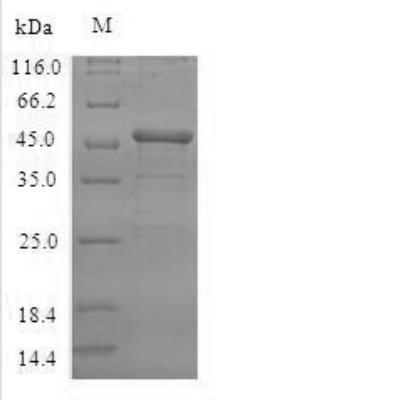
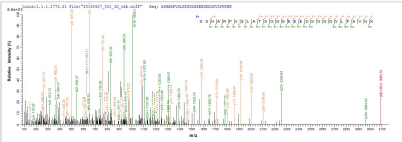
Recombinant Human Tubulinyl-Tyr carboxypeptidase 2 (VASH2)

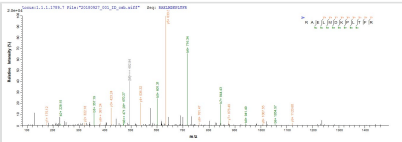
Product Code	CSB-EP769783HU
Relevance	Angiogenesis inhibitor. Inhibits network formation by endothelial cells.
Abbreviation	Recombinant Human VASH2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q86V25
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MTGSAADTHRCPHPKGAKGTRSRSSHARPVSLATSGGSEEEDKDGGVLFHV NKSGFPIDSHTWERMWMHVAKVHPKGGEMVGAIRNAAFLAKPSIPQVPNYRL SMTIPDWLQAIQNYMKTLQYNHTGTQFFEIRKMRPLSGLMETAKEMTRESLPI KCLEAVILGIYLTNGQPSIERFPISFKTYFSGNYFHHVVLGIYCNGRYGSLGMSR RAELMDKPLTFRTLSDLIFDFEDSYKKYLHTVKKVKIGLYVPHEPHSFQPIEWK QLVLNVSKMLRADIRKELEKYARDMRMKILKPASAHSPTQVRSRGKSLSPRRR QASPPRRLGRREKSPALPEKKVADLSTLNEVGYQIRI
Research Area	Cardiovascular
Source	E.coli
Target Names	VASH2
Expression Region	1-355aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	56.4kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP769783HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) VASH2.



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Description

The region for expressing recombinant Human VASH2 contains amino acids 1-355. This VASH2 protein is expected to have a theoretical molecular weight of 56.4 kDa. This protein is generated in a e.coli-based system. Fusion of the N-terminal 6xHis-SUMO tag into the VASH2 encoding gene fragment was conducted, allowing for easier detection and purification of the VASH2 protein in subsequent stages.

Human vasohibin-2 (VASH2) serves as a critical regulator in angiogenesis, influencing blood vessel formation. Its main function involves inhibiting endothelial cell proliferation and migration, exerting anti-angiogenic effects. In cardiovascular research, VASH2 contributes to understanding vascular homeostasis and potential therapeutic interventions for angiogenesis-related diseases. Additionally, VASH2 is implicated in cancer biology, where its role in angiogenesis may impact tumor growth and metastasis. Investigating VASH2 provides insights into vascular development, angiogenic disorders, and cancer progression, offering potential applications in cardiovascular medicine and oncology.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
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