Recombinant VASN protein (His tag)

Catalog Number	547489
Synonyms	Protein slit-like 2
Species	Human
Expression System	E. coli
Accession	Q6EMK4
Molecular Weight	Predictes a molecular mass of 37.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	24-351
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 24-351 aa (Q6EMK4) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Vasorin (VASN) Fragment (24-351) is a high-purity protein designed for studying TGF-beta signaling regulation. This 328-amino acid fragment includes the complete LRRNT and LRRCT domains, providing an essential tool for domain-specific functional research in cellular signaling pathways. Vasorin (Protein slit-like 2), encoded by the VASN gene, functions as an inhibitor of TGF-beta signaling, playing a crucial role in modulating this important cellular pathway. The full-length protein is localized to the membrane as a single-pass type I membrane protein and also exists in a secreted form. This dual localization suggests complex regulatory mechanisms in TGF-beta signaling inhibition, making Vasorin an important target for studying cellular communication and signaling cascade modulation.