Recombinant SPEGN protein (His tag)

Catalog Number	552048
Species	Human
Expression System	E. coli
Accession	A0A087WV53
Molecular Weight	Predictes a molecular mass of 27.73 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	1-238
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 1-238 aa (A0A087WV53) 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	Introducing our high-purity recombinant human SPEG neighbor protein fragment (amino acids 1-238). This product is specifically engineered to contain the complete IQ and dual Ig-like domains, providing researchers with a precise tool for investigating the domain-specific functions and interactions of this protein in cellular signaling and structural contexts. The SPEG neighbor protein, encoded by the SPEGNB gene in Homo sapiens, is a protein of emerging research interest. While a detailed functional summary and subcellular localization for the full-length protein are not fully characterized, the presence of conserved IQ and immunoglobulin-like (Ig-like) domains within this fragment suggests potential roles in calcium-mediated signaling and protein-protein interactions, which are critical areas of study in cell biology and signal transduction pathways.