Recombinant GASP2 protein (His tag)

Catalog Number	540964
Synonyms	GASP-2
Species	Human
Expression System	E. coli
Accession	Q96D09
Molecular Weight	Predictes a molecular mass of 33.32 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	562-838
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 562-838 aa (Q96D09) 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 G-protein coupled receptor-associated sorting protein 2 (GASP-2) fragment (residues 562-838) is a stable, soluble protein unit designed for structural and biochemical studies. This fragment enables researchers to investigate the regulatory mechanisms of G-protein coupled receptors in a controlled experimental setting. The full-length GASP-2 protein, encoded by the GPRASP2 gene in humans, plays a role in regulating various G-protein coupled receptors, as supported by experimental evidence (PubMed:15086532). G-protein coupled receptors are critical for cellular signaling and are involved in numerous physiological processes, making their regulatory mechanisms a key area of research. The selected fragment (residues 562-838) was computationally optimized for stability and solubility, facilitating its use in detailed molecular analyses without requiring the full-length protein.