Recombinant EEIG2 protein (His tag)

Catalog Number	551533
Synonyms	EEIG2
Species	Human
Expression System	E. coli
Accession	Q5T8I3
Molecular Weight	Predictes a molecular mass of 18.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-155
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-155 aa (Q5T8I3) 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 EEIG2 (EEIG family member 2) Fragment (aa 1-155) is a high-purity protein fragment designed for functional studies. This 155-amino acid fragment fully encompasses the C2 NT-type domain, making it an ideal tool for investigating the specific biochemical and cellular roles of this conserved structural motif in EEIG2. EEIG2 (EEIG family member 2) is a human protein encoded by the gene EEIG2 (UniProt ID: Q5T8I3). While a detailed functional summary and subcellular location for the full-length protein are not fully characterized, research into the EEIG family suggests involvement in cellular signaling and regulatory pathways. The provided fragment (amino acids 1-155) contains the C2 NT-type domain, a structural module often involved in calcium-dependent membrane binding and protein-protein interactions. This recombinant fragment enables targeted investigation of this domain's contribution to EEIG2's molecular function, supporting research into its potential biological significance.