Recombinant IGS22 protein (His tag)

Catalog Number	552003
Synonyms	IgSF22
Species	Human
Expression System	E. coli
Accession	Q8N9C0
Molecular Weight	Predictes a molecular mass of 13.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	51-158
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 51-158 aa (Q8N9C0) 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	This product is a high-quality recombinant protein fragment of human Immunoglobulin superfamily member 22 (IgSF22), encompassing amino acids 51-158. This 108-amino acid fragment is specifically designed to contain the complete Ig-like 1 domain (residues 67-158), making it an ideal and precise tool for researchers studying the structure and function of this critical protein domain. Immunoglobulin superfamily member 22 (IgSF22), encoded by the gene IGSF22, is a human protein. As a member of the immunoglobulin superfamily, it is implicated in cell surface recognition, adhesion, and receptor-ligand interactions, which are fundamental to immune responses, neural development, and cellular communication. The provided fragment allows focused investigation into the properties and interactions mediated by its contained Ig-like domain.