Recombinant GOG8A protein (His tag)

Catalog Number	549145
Synonyms	88 kDa Golgi matrix protein; GM88; GM88 autoantigen
Species	Human
Expression System	E. coli
Accession	A7E2F4
Molecular Weight	Predictes a molecular mass of 45.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 53 kDa band.

Product Information

Sequence Region	102-476
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 102-476 aa (A7E2F4) 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 Golgin subfamily A member 8A (GM88) Fragment (102-476) is a high-purity, 375-amino acid protein designed for structural and biochemical studies. This fragment represents a stable, soluble region of the 88 kDa Golgi matrix protein, enabling reliable investigation of Golgi structure maintenance mechanisms. Golgin subfamily A member 8A (GM88) is a peripheral membrane protein localized to the Golgi apparatus stack membrane, where it plays a crucial role in maintaining Golgi structure integrity. As an autoantigen, GM88 contributes to the structural organization of the Golgi complex, making it essential for understanding intracellular trafficking and organelle architecture. The selected fragment (102-476) was computationally optimized to provide a stable, soluble unit ideal for structural characterization and functional assays.