Recombinant GOLM2 protein (His tag)

Catalog Number	548987
Synonyms	Cancer susceptibility candidate gene 4 protein; CASC4; Golgi membrane protein 2
Species	Human
Expression System	E. coli
Accession	Q6P4E1
Molecular Weight	Predictes a molecular mass of 20.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	36-190
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 36-190 aa (Q6P4E1) 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 GOLM2 (CASC4) Fragment (aa 36-190): A high-purity, soluble protein fragment designed for structural and biochemical studies. This 155-amino acid construct offers a stable and functional unit ideal for investigating Golgi membrane protein interactions and cancer-related research. GOLM2 (Golgi membrane protein 2), also known as Cancer susceptibility candidate gene 4 protein (CASC4), is a single-pass type II membrane protein localized to the membrane compartment in human cells. While specific functional details require further characterization, its identification as a cancer susceptibility candidate and Golgi-associated protein suggests potential roles in intracellular trafficking, cellular organization, and oncogenic processes. The selected fragment (amino acids 36-190) represents a computationally optimized soluble domain that maintains structural integrity for experimental applications.