Recombinant GSAML protein (His tag)

Catalog Number	550900
Species	Human
Expression System	E. coli
Accession	Q5JQS6
Molecular Weight	Predictes a molecular mass of 17.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-135
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 1-135 aa (Q5JQS6) 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 GCSAML Fragment (1-135): A high-purity, soluble protein fragment of Germinal center-associated signaling and motility-like protein, designed for structural and biochemical studies. This fragment represents a computationally optimized stable domain to facilitate research on protein interactions and functional mechanisms. Germinal center-associated signaling and motility-like protein (GCSAML), encoded by the GCSAML gene in Homo sapiens, is implicated in immune system processes, particularly within germinal centers where B-cell maturation and antibody responses occur. While specific functional details and subcellular localization are not fully characterized in the provided data, GCSAML is associated with signaling and motility pathways, suggesting roles in cellular communication and movement. The full-length protein's involvement in immune regulation makes it a valuable target for investigating adaptive immunity and related diseases. The recombinant fragment (1-135) was selected based on structural predictions to ensure solubility and stability, enabling reliable experimental applications without the complexities of the full protein.