Recombinant LY66F protein (His tag)

Catalog Number	545144
Species	Human
Expression System	E. coli
Accession	Q5SQ64
Molecular Weight	Predictes a molecular mass of 25.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	17-235
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 17-235 aa (Q5SQ64) 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 Lymphocyte antigen 6 complex locus protein G6f (LY6G6F) fragment (aa 17-235) is a high-purity protein designed for studying the Ig-like V-type domain. This 219-amino acid fragment enables targeted investigation of downstream signaling pathways involving GRB2 and GRB7, making it an essential tool for cell signaling and immunology research. The full-length Lymphocyte antigen 6 complex locus protein G6f, encoded by the LY6G6F gene, is a single-pass type I membrane protein localized to the cell membrane. Based on experimental evidence, it may function in downstream signal transduction pathways involving adaptor proteins GRB2 and GRB7, suggesting a role in intracellular signaling cascades. The protein's membrane localization and potential signaling functions make it relevant for studying cell surface receptor interactions and intracellular communication mechanisms in human systems.