Recombinant GAB3 protein (His tag)

Catalog Number	549043
Synonyms	GRB2-associated binder 3; Growth factor receptor bound protein 2-associated protein 3
Species	Human
Expression System	E. coli
Accession	Q8WWW8
Molecular Weight	Predictes a molecular mass of 15.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1-117
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 1-117 aa (Q8WWW8) 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	Introducing the recombinant human GRB2-associated-binding protein 3 (GAB3) fragment (amino acids 1-117), a high-purity protein designed to encompass the complete PH domain. This product serves as an essential tool for researchers investigating domain-specific functions in signal transduction pathways. GRB2-associated-binding protein 3 (GAB3) is an adapter protein that plays a role in intracellular signaling cascades, particularly in hematopoietic cells. While specific functional details and subcellular localization for the full-length protein are not provided in this context, adapter proteins like GAB3 typically function in relaying signals from cell surface receptors to downstream effectors, influencing cellular processes such as proliferation, differentiation, and survival. The provided fragment enables focused study on the PH domain's role in these mechanisms.