Recombinant UBS3A protein (His tag)

Catalog Number	537860
Synonyms	Cbl-interacting protein 4; CLIP4; Suppressor of T-cell receptor signaling 2; STS-2; T-cell ubiquitin ligand 1; TULA-1
Species	Human
Expression System	E. coli
Accession	P57075
Molecular Weight	Predictes a molecular mass of 22.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	1-185
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 1-185 aa (P57075) 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 UBASH3A (CLIP4/TULA-1) Fragment (aa 1-185), encompassing the UBA domain, is designed for investigating receptor tyrosine kinase regulation, endocytosis, and T-cell receptor signaling pathways. This high-purity fragment serves as an essential tool for domain-specific functional studies. UBASH3A, also known as CLIP4 or TULA-1, is a cytoplasmic and nuclear protein that interferes with CBL-mediated down-regulation and degradation of receptor-type tyrosine kinases. It promotes accumulation of activated receptors (including T-cell receptors, EGFR, and PDGFRB) on the cell surface and may inhibit dynamin-dependent endocytic pathways by sequestering dynamin via its SH3 domain. While exhibiting negligible tyrosine phosphatase activity at neutral pH, it may function as a dominant-negative regulator of UBASH3B-dependent dephosphorylation, playing crucial roles in receptor signaling modulation and cellular trafficking processes.