Recombinant BORC8 protein (His tag)

Catalog Number	536059
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q8IR45
Gene ID	318103
Molecular Weight	Predictes a molecular mass of 15.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-114
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 1-114 aa (Q8IR45) 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 Drosophila melanogaster BLOC-1-related complex subunit 8 homolog (residues 1-114) is a high-quality protein fragment designed for structural and biochemical studies. This stable, soluble unit retains key features of the full-length protein, which is implicated in lysosomal transport mechanisms, making it an ideal tool for investigating intracellular trafficking pathways. The full-length BLOC-1-related complex subunit 8 homolog is believed to participate in the coupling of lysosomes to microtubule plus-end-directed kinesin motor proteins, facilitating intracellular transport. According to functional annotations, it localizes to the lysosome membrane, where it likely contributes to organelle positioning and movement. This protein plays a role in maintaining lysosomal dynamics, which is essential for cellular processes such as degradation, signaling, and autophagy.