Recombinant BORC8 protein (His tag)

Catalog Number	535979
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	O45685
Gene ID	173350
Molecular Weight	Predictes a molecular mass of 15.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1-121
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 1-121 aa (O45685) 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 BLOC-1-related complex subunit 8 homolog (blos-9) fragment (residues 1-121) from Caenorhabditis elegans, designed for structural and biochemical studies. This stable, soluble protein unit enables investigation of lysosomal transport mechanisms in model organisms. The full-length BLOC-1-related complex subunit 8 homolog (UniProt ID: O45685) is implicated in the coupling of lysosomes to microtubule plus-end-directed kinesin motor, facilitating intracellular organelle transport. Located at the lysosome membrane, this protein plays a critical role in coordinating lysosomal positioning and movement along microtubules, which is essential for cellular trafficking and degradation processes. The selected fragment represents a computationally optimized region for experimental applications while maintaining relevance to the protein's native functional context.