Recombinant BORC6 protein (His tag)

Catalog Number	547960
Synonyms	Lysosome-dispersing protein; Lyspersin
Species	Human
Expression System	E. coli
Accession	Q96GS4
Molecular Weight	Predictes a molecular mass of 19.04 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	197-357
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 197-357 aa (Q96GS4) 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 BORCS6 (Lyspersin) Fragment (aa 197-357) is a 161-amino acid protein fragment derived from the human BLOC-1-related complex subunit 6. This fragment is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating lysosomal dynamics and cellular trafficking mechanisms. The full-length BLOC-1-related complex subunit 6 (BORCS6), also known as Lyspersin, is a component of the BORC complex that regulates lysosomal movement and localization at the cell periphery. As part of BORC, it associates with the cytosolic face of lysosomes and facilitates the recruitment of ARL8B, enabling coupling to kinesin motors for microtubule-based transport toward the cell periphery. This protein is localized to the lysosome membrane, playing a critical role in cellular processes such as organelle positioning and intracellular trafficking, as supported by research findings (PubMed:25898167).