Recombinant OLM2A protein (His tag)

Catalog Number	549237
Synonyms	Photomedin-1
Species	Human
Expression System	E. coli
Accession	Q68BL7
Molecular Weight	Predictes a molecular mass of 31.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	395-652
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 395-652 aa (Q68BL7) 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 Olfactomedin-like protein 2A (OLFML2A) Fragment (aa 395-652) is a high-purity, soluble protein designed for structural and biochemical studies. This 258-amino acid fragment represents a stable, functionally relevant region of Photomedin-1, optimized for research applications in cellular and molecular biology. Olfactomedin-like protein 2A (Photomedin-1), encoded by the OLFML2A gene, is a secreted protein in humans. It localizes to podocyte major processes and colocalizes with vimentin (VIM) throughout podocyte development, suggesting a role in structural organization or cellular dynamics of podocytes—specialized cells critical for kidney filtration. While the precise molecular function remains to be fully characterized, its secretion and developmental expression imply involvement in extracellular matrix interactions or cellular scaffolding. The provided fragment (aa 395-652) was computationally selected to ensure stability and solubility, enabling investigations into protein-protein interactions and structural features without domain-specific constraints.