Recombinant OLFL1 protein (His tag)

Catalog Number	550660
Species	Human
Expression System	E. coli
Accession	Q6UWY5
Molecular Weight	Predictes a molecular mass of 44.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

Product Information

Sequence Region	29-402
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 29-402 aa (Q6UWY5) 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 1 (OLFML1) fragment (aa 29-402) is a high-purity protein designed for functional studies. This 374-amino acid fragment fully encompasses the Olfactomedin-like domain, providing an ideal tool for investigating domain-specific roles in cellular processes. Olfactomedin-like protein 1 is a secreted protein, as evidenced by its subcellular localization (SUBCELLULAR LOCATION: Secreted {ECO:0000269|PubMed:18708057}). As a secreted factor, OLFML1 likely functions in extracellular signaling and cell communication pathways. The full-length protein's secretion suggests potential roles in intercellular regulation, though specific functional details require further experimental investigation.