Recombinant OMP protein (His tag)

Catalog Number	548937
Synonyms	Olfactory neuronal-specific protein
Species	Human
Expression System	E. coli
Accession	P47874
Molecular Weight	Predictes a molecular mass of 20.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	2-163
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 2-163 aa (P47874) 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 Olfactory Marker Protein (OMP) Fragment (2-163) is a high-quality, soluble protein designed for structural and biochemical studies. This fragment represents a stable and functional unit of the native protein, ideal for investigating olfactory signal transduction mechanisms. The full-length Olfactory Marker Protein (OMP), encoded by the OMP gene in humans, is known to act as a modulator of the olfactory signal-transduction cascade. It is localized in the cytoplasm, where it plays a role in regulating sensory signaling pathways in olfactory neurons. This recombinant fragment enables focused research on its functional domains without the complexities of the full-length protein.