Recombinant VMO1 protein (His tag)

Catalog Number	551188
Species	Human
Expression System	E. coli
Accession	Q7Z5L0
Molecular Weight	Predictes a molecular mass of 20.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	31-202
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 31-202 aa (Q7Z5L0) 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 Vitelline Membrane Outer Layer Protein 1 Homolog (VMO1) Fragment (aa 31-202) - A highly stable and soluble protein fragment specifically designed for structural biology and biochemical studies. This 172-amino acid fragment represents an optimal region for experimental analysis while maintaining key structural characteristics of the native protein. The full-length Vitelline Membrane Outer Layer Protein 1 Homolog (VMO1) is a secreted protein in humans, as indicated by its subcellular localization. While specific functional details are still under investigation, secreted proteins like VMO1 typically play important roles in extracellular matrix organization, cell signaling, and tissue development. The secreted nature suggests potential involvement in intercellular communication and extracellular processes. This recombinant fragment provides researchers with a valuable tool to explore the structural and functional properties of this human protein through various experimental approaches.