Recombinant MCEM1 protein (His tag)

Catalog Number	545387
Species	Human
Expression System	E. coli
Accession	Q8IX19
Molecular Weight	Predictes a molecular mass of 10.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	107-187
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 107-187 aa (Q8IX19) 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 MCEMP1 Fragment (aa 107-187) is a highly stable and soluble protein fragment derived from human Mast cell-expressed membrane protein 1. This 81-amino acid fragment has been computationally optimized for structural and biochemical studies, offering researchers a reliable tool for investigating membrane protein interactions and cellular signaling pathways. Mast cell-expressed membrane protein 1 (MCEMP1) is a human membrane protein localized to the cellular membrane as a single-pass type II membrane protein. While specific functional details are not fully characterized, its membrane association suggests potential roles in cell surface signaling, receptor interactions, or immune response modulation. The selection of this specific fragment (amino acids 107-187) represents a structurally stable domain suitable for experimental applications where full-length membrane protein expression presents technical challenges.