Recombinant TRML4 protein (His tag)

Catalog Number	549250
Synonyms	TLT-4; Triggering receptor expressed on myeloid cells-like protein 4
Species	Human
Expression System	E. coli
Accession	Q6UXN2
Molecular Weight	Predictes a molecular mass of 14.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	26-135
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 26-135 aa (Q6UXN2) 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	This recombinant protein product features a fragment of the human Trem-like transcript 4 protein (TLT-4), encompassing amino acids 26-135. It is designed to include the complete Ig-like V-type domain, providing researchers with a targeted tool to investigate the specific roles of this domain in modulating immune signaling pathways. The full-length Trem-like transcript 4 protein (TLT-4), encoded by the TREML4 gene, functions as a positive regulator of Toll-like receptor TLR7 signaling in macrophages, contributing to innate immune responses. It is a secreted protein, as indicated by its subcellular localization, suggesting its involvement in extracellular or paracrine signaling mechanisms. This protein plays a role in immune regulation, making it relevant for studies on inflammation, infection, and autoimmune diseases.