Recombinant TRML2 protein (His tag)

Catalog Number	538200
Synonyms	TLT-2; Triggering receptor expressed on myeloid cells-like protein 2
Species	Human
Expression System	E. coli
Accession	Q5T2D2
Molecular Weight	Predictes a molecular mass of 14.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	19-129
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 19-129 aa (Q5T2D2) 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 TLT-2 Protein Fragment (TREML2, aa 19-129) – a high-purity, functional fragment encompassing the Ig-like V-type domain, engineered to facilitate studies on immune cell signaling and T-cell activation mechanisms. Trem-like transcript 2 protein (TLT-2), encoded by the TREML2 gene, is a cell surface receptor implicated in innate and adaptive immune responses. It functions as a counter-receptor for CD276, and its interaction with CD276 on T-cells enhances T-cell activation, highlighting its role in modulating immune cell communication. As a single-pass type I membrane protein, TLT-2 is localized to the cell membrane, where it engages in key receptor-ligand interactions critical for immune regulation.