

TREML2 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	TREML2;TLT2;Trem-like transcript 2 protein;Triggering receptor expressed on myeloid cells-like protein 2;TLT-2
Protein Construction:	His25-Ala270
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q2LA85
Molecular Weight:	58-62 KDa (reducing condition)
AA Sequence:	His25-Ala270

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Trem-like transcript 2 protein (TLT2), also known as Triggering receptor expressed on myeloid cells-like protein 2, TLT2 and C6orf76, is single-pass type I membrane protein. TREML2 contains one Ig-like V-type domain, which can be induced in CD4 T-cell by concanavalin-A. As a cell surface receptor, TREML2 may play a role in the innate and adaptive immune response. TREML2 also acts as a counter-receptor for CD276 and interaction with CD276 on T-cells enhances T-cell activation. It has shown that TREML2 may be involved in the innate immune response based

on its expression profile and the fact that it is up-regulated in response to inflammation.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481