

Recombinant Human TREML2/TLT2 Protein (Fc Tag)

Catalog No. PKSH033146

Note: Centrifuge before opening to ensure complete recovery of vial contents.

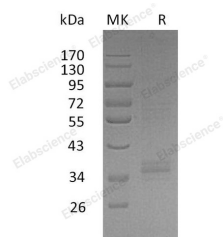
Description

Synonyms	Trem-like transcript 2 protein;TLT2;Triggering receptor expressed on myeloid cells-like protein 2;TLT2;C6orf76
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly19-Ser268
Accession	AAI25079.1
Calculated Molecular Weight	54.2 kDa
Observed molecular weight	80-110 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Trem-like transcript 2 protein (TLT2), also known as Triggering receptor expressed on myeloid cells-like protein 2, TLT2

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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.