Recombinant Human TREM1 Protein (His Tag)

Catalog No. PKSH033143

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

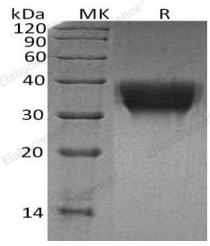
Description

Synonyms	Triggering Receptor Expressed on Myeloid Cells 1;TREM-1;Triggering Receptor Expressed on Monocytes 1;CD354;TREM1
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala21-Arg200
Accession	Q9NP99
Calculated Molecular Weight	21.3 kDa
Observed molecular weight	32-40 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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



> 95 % as determined by reducing SDS-PAGE.

Background

Triggering Receptor Expressed on Myeloid Cells 1 (TREM-1) is a transmembrane protein with a single Ig-like domain.

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Web: www.elabscience.com Email: techsupport@elabscience.com

TREM-1 associates with the adapter protein, DAP12, to deliver an activating signal. TREM-1 is expressed on blood neutrophils and monocytes, and the expression is up-regulated by bacterial LPS. TREM-1 is expressed at high levels on neutrophils of patients with microbial sepsis and in mice with a TREM-1/Fc fusion protein protected mice against LPS-induced shock. Human TREM-1 shares 42% sequence homology with mouse TREM-1.

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