

Product datasheet for **TP724795**

Trem1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse TREM-1 (C-His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala21-Ser202
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4
Note:	Recombinant Mouse Triggering Receptor Expressed On Myeloid Cells 1 is produced by our Mammalian expression system and the target gene encoding Ala21-Ser202 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	58217
UniProt ID:	Q9JKE2
Summary:	Triggering Receptor Expressed on Myeloid Cells 1, known as TREM-1, is a transmembrane protein with a single Ig-like domain. 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. TREM-1 associates with the adapter protein, DAP12, to deliver an activating signal, which stimulates neutrophil and monocyte-mediated inflammatory responses. TREM-1 also triggers the release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. TREM-1 is an amplifier of inflammatory responses that are triggered by bacterial and fungal infections and are a crucial mediator of septic shock.



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