

Active Recombinant Mouse TACSTD2 Protein, Fc-tagged

Cat. No. TACSTD2-929M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse TACSTD2 (Q8BGV3) (Met 1-Gln 270) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Gln 270
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10E4 cells/well are added to coated plates (40 µg/mL, 100 µL/well), > 50% cells will adhere after 1 hour at 37°C.
Molecular Mass	The secreted recombinant mouse TACSTD2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 487 amino acids and has a calculated molecular mass of 55 kDa. As a result of glycosylation, the apparent molecular mass of rmTACSTD2/Fc monomer is approximately 66 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Tacstd2 tumor-associated calcium signal transducer 2 [<i>Mus musculus</i>]
Official Symbol	TACSTD2
Synonyms	TACSTD2; tumor-associated calcium signal transducer 2; lymphocyte antigen 97; cell surface glycoprotein Trop-2; tunor-associated calcium signal transducer 2; Ly97; EGP-1; TROP2; C80403; GA733-1; MGC141612; MGC141613;
Gene ID	56753
mRNA Refseq	NM_020047
Protein Refseq	NP_064431

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