

## Active Recombinant Mouse TACSTD2 Protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain of mouse TACSTD2 (Q8BGV3) (Met 1-Gln 270) was fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Gln 270
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	Tacstd2 tumor-associated calcium signal transducer 2 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	TACSTD2
<b>Synonyms</b>	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;
<b>Gene ID</b>	56753
<b>mRNA Refseq</b>	NM_020047
<b>Protein Refseq</b>	NP_064431

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