

Active Recombinant Mouse TACSTD2 Protein, His-tagged

Cat. No. TACSTD2-930M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse TACSTD2 (Q8BGV3?) (Met 1-Gln 270) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-270 a.a.
Predicted N Terminal	Gln 25
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5×10^4 cells/well are added to TACSTD2 coated plates (40 $\mu\text{g}/\text{mL}$ with 100 $\mu\text{L}/\text{well}$), >50% cells will adhere for 1 hour incubation at 37°C.
Molecular Mass	The secreted recombinant mouse TACSTD2 comprises 257 amino acids and has a calculated molecular mass of 29.4 kDa. As a result of glycosylation, the apparent molecular mass of rmTACSTD2 is approximately 45 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.

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Purity	>92 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°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 0.25 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
MIM	
UniProt ID	
Function	molecular_function;

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