

Recombinant Human Transmembrane Activator and CAML Interactor/TNFRSF13B (rHuTACI/TNFRSF13B)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	103-16R
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 18.0 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	MSGLGRSRRG GRSRVDQEER FPQGLWTGVA MRSCPEEQYW DPLLGTCMSC KTICNHQSQR TCAAFCRSLs CRKEQGKfyD HLLRDCISCA SICGQHPKQC AYFCENKLRS PVNLPPELRR QRSGEVENNS DNSGRYQGLE HRGSEASPAL PGLKLSADQV
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity is determined by its ability to block human BAFF induced T2B cell survival using a concentration range of 1.0-3.0 µg/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1 EU/µg of rHuTACI/TNFRSF13B as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Human Transmembrane Activator and CAML Interactor/TNFRSF13B

TACI, transmembrane activator and CAML-interactor, is a member of the TNF receptor superfamily (TNFRSF). Within the TNFRSF, it shares the highest homology with BCMA. TACI and BCMA both bind APRIL and BlyS/BAFF, members of the TNF superfamily. TACI is expressed on the cell surface of B cells and activated, but not resting, T cells. Human TACI shares 54 % amino acid sequence identity with murine TACI.