

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

Product Information

Product Name	Cat#	Size
Recombinant Human Transmembrane Activator and CAML Interactor/TNFRSF13B (Human TACI/TNFRSF13B)	90612ES08	5µg
	90612ES60	100µg
	90612ES76	500µg

Product Description

TACI, a member of the TNF Receptor superfamily, is expressed in the small intestine, spleen, thymus, peripheral blood leukocytes, activated T cells, and resting B cells. TACI can bind to both APRIL and BAFF, stimulate the activation of transcription factors NF-κB and AP-1, and can mediate the calcineurin-dependent activation of NF-AT (nuclear-factor of activated T cells). TACI also plays a key role in the stimulation of B and T cell function. Soluble TACI inhibits APRIL-stimulated proliferation of primary B cells by blocking the binding of APRIL to the membrane-anchored TACI receptor. Recombinant Human TACI is a soluble 159 amino acid polypeptide (17.8 kDa) comprising the TNFR homologous, cysteine-rich extracellular domain of the TACI protein.

Product Properties

Synonyms	TACI,TNFRSF13B
Accession	O14836
GeneID	23495
Source	E.coli-derived Human Endostatin protein, Met1-Val160, with an N-terminal Met.
Molecular Weight	Approximately 18.0 kDa
AA Sequence	MSGLGRSRRG GRSRVDQEER FPQGLWTGVA MRSCPEEQYW DLLGTCMSC KTICNHQSQR TCAAFCRSLS CRKEQGKFYD HLLRDCISCA SICGQHPKQC AYFCENKLRS PVNLPPELRR QRSGEVENNS DNSGRYQGLE HRGSEASPAL PGLKLSADQV
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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 and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.