

TACI, human recombinant protein
Transmembrane activator and CAML interactor, TNFRSF13B
Catalog # PBV10842r**Specification**

TACI, human recombinant protein - Product info

Primary Accession [O14836](#)
Calculated MW **17.8 kDa KDa**

TACI, human recombinant protein - Additional Info

Gene ID **23495**
Gene Symbol **TACI**
Other Names
Transmembrane activator and CAML interactor, TNFRSF13B

Gene Source **Human**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **SGLGRSRRGG RSRVDQEERF PQGLWTGVAM
RSCPEEQYWD PLLGTCMSCK TICNHQSQRT
CAAFCRSLSC RKEQGKFYDH LLRDCISCAS
ICGQHPKQCA YFCENKLRSP VNLPPELRRQ
RSGEVENNSD NSGRYQGLEH RGSEASPALP
GLKLSADQV**

Target/Specificity
TACI

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM NaCitrate, pH 4.0 and 150 mM NaCl.

TACI, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TACI, human recombinant protein - Images

TACI, human recombinant protein - Background

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 binds to both APRIL and BAFF and can stimulate the activation of transcription factors; NF-kappaB, AP-1, and mediates 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.

TACI, human recombinant protein - References

von Buelow G.-U., et al. Science 278:138-141(1997).
Zhou G., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wu Y., et al. J. Biol. Chem. 275:35478-35485(2000).