TACI (TNFRSF13B) Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Transmembrane activator and CAML interactor, TNFRSF13B

Cat. No.:

RBG10302005	(5 µg)
RBG10302020	(20 µg)
RBG10302100	(100 µg)

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-?B 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.

Research topic

Immune Response, Infection and Inflammation, Oncology

Amino Acid Sequence

```
SGLGRSRRGG RSRVDQEERF PQGLWTGVAM RSCPEEQYWD PLLGTCMSCK TICNHQSQRT CAAFCRSLSC RKEQGKFYDH
LLRDCISCAS ICGQHPKQCA YFCENKLRSP VNLPPELRRQ RSGEVENNSD NSGRYQGLEH RGSEASPALP GLKLSADQV
```

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to block human BAFF induced T2B cell survival using a concentration range of 1.0-3.0 µg/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. 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.

Storage, Stability/Shelf Life

-20°C

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: Web:	info@biovendor.com sales@biovendor.com www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail:	infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail:	infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail:	infoUSA@biovendor.com