

## Recombinant Human TACI, Fc-tagged (Atacicept)

Cat. No. TNFRSF13B-P05H Lot. No. (See product label)

### SPECIFICATION

**Product Overview**

The protein combines the binding site for two cytokines that regulate maturation, function, and survival of B cells, B-lymphocyte stimulator (BLyS) and a proliferation-inducing ligand (APRIL), with the constant region of immunoglobulin. It blocks activation of B cells by the tumor necrosis factor receptor superfamily member 13B (more commonly known as TACI), a transmembrane receptor protein found predominantly on the surface of B cells. Like the monoclonal antibody belimumab, atacicept blocks the binding of BLyS, but it also blocks APRIL. Binding of these TACI ligands induces proliferation, activation, and longevity of B cells and thus their production of autoantibodies. The protein is thought to selectively impair mature B cells and plasma cells with less impact on progenitor cells and memory B cells.

<b>Species</b>	Human
<b>CAS number</b>	845264-92-8
<b>Endotoxin</b>	< 0.1 eu per µg of the
<b>Purity</b>	>95%

### GENE INFORMATION

<b>Gene Name</b>	TNFRSF13B tumor necrosis factor receptor superfamily, member 13B [ Homo sapiens ]
<b>Official Symbol</b>	TNFRSF13B

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	TNFRSF13B; tumor necrosis factor receptor superfamily, member 13B; tumor necrosis factor receptor superfamily member 13B; CD267; TACI; tumor necrosis factor receptor 13B; transmembrane activator and CAML interactor; CVID; CVID2; TNFRSF14B; FLJ39942; MGC39952; MGC133214;
<b>Gene ID</b>	<a href="#">23495</a>
<b>mRNA Refseq</b>	<a href="#">NM_012452</a>
<b>Protein Refseq</b>	<a href="#">NP_036584</a>
<b>MIM</b>	<a href="#">604907</a>
<b>UniProt ID</b>	<a href="#">O14836</a>
<b>Chromosome Location</b>	17p11.2
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; Syndecan-2-mediated signaling events, organism-specific biosystem;
<b>Function</b>	protein binding; receptor activity;

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