

## Active Recombinant Human TNFSF13, FLAG-tagged

Cat. No. TNFSF13-399H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human APRIL (aa 98-233) is fused at the N-terminus to human ACRP30headless (aa 16-108) and a FLAG-tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	98-233;16-108 a.a.
<b>Description</b>	APRIL is a cytokine that belongs to the TNF superfamily and binds to TACI and BCMA. It is implicated in the regulation of tumor cell growth, is involved in monocyte/macrophage-mediated immunological processes and functions as an important survival factor for plasmablasts and bone marrow plasma cells. MegaAPRIL is a high activity construct in which two trimeric APRIL ligands are artificially linked via the collagen domain of ACRP30. This construct very effectively stimulates proliferation B cell. A basic amino acid sequence (QKQKKQ) close to the N-terminus of APRIL is required for binding to negatively charged sulfated glycosaminoglycan side chains of proteoglycans. Proteoglycans mediate binding of APRIL to tumor cells as well as primary lymphoid cells.
<b>Form</b>	Lyophilized. Contains PBS + 0.5% Trehalose.
<b>Bio-activity</b>	Stimulates B cell proliferation.
<b>Molecular Mass</b>	~34kDa (SDS-PAGE)

 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>Purity</b>	≥95% (SDS-PAGE)
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20°C.
<b>Storage</b>	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
<b>Concentration</b>	0.1mg/ml after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [ Homo sapiens ]
<b>Official Symbol</b>	TNFSF13
<b>Synonyms</b>	TNFSF13; tumor necrosis factor (ligand) superfamily, member 13; tumor necrosis factor ligand superfamily member 13; APRIL; CD256; a proliferation-inducing ligand; tumor necrosis factor-like protein ZTNF2; tumor necrosis factor-related death ligand-1; TNF- and APOL-related leukocyte expressed ligand 2; TALL2; ZTNF2; TALL-2; TRDL-1; FLJ57090; UNQ383/PRO715;
<b>Gene ID</b>	8741
<b>mRNA Refseq</b>	NM_001198622
<b>Protein Refseq</b>	NP_001185551
<b>MIM</b>	604472
<b>UniProt ID</b>	O75888

 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>Chromosome Location</b>	17p13.1
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Gene Expression, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem;
<b>Function</b>	cytokine activity; receptor binding; tumor necrosis factor receptor binding;

 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