

Recombinant Human APRIL

Cat. No. APRIL-3591H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APRIL
Species	Human
Source	Hi-5 Insect Cells
Description	The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Alternative splicing results in multiple transcript variants. Some transcripts that skip the last exon of the upstream gene (TNFSF12) and continue into the second exon of this gene have been identified; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13.
Form	Supplied as a lyophilized powder.
Molecular Mass	16.3 kDa
AA Sequence	Region of APRIL protein corresponding to amino acids AVLTQKQKKQ HSVLHLVPIN ATSKDDSDVT EVMWQPALRR GRGLQAQGYG VRIQDAGVYL LYSQVLFQDV TFTMGQVVSR EGQGRQETLF RCIRSMPSHP DRAYNSCYSA GVFHLHQGDI LSVIIPRARA KLNLSPHGTF LGFVKL.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Endotoxin	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Purity	>95% pure by SDS PAGE and HPLC
Notes	Small volumes of APRIL recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	TNFSF13 tumor necrosis factor (ligand) superfamily, member 13 [Homo sapiens]
Official Symbol	TNFSF13
Synonyms	APRIL; CD256; TALL2; ZTNF2; TALL-2; TRDL-1; UNQ383/PRO715; tumor necrosis factor ligand superfamily member 13; 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
Gene ID	8741
mRNA Refseq	NM_001198624
Protein Refseq	NP_001185553

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MIM	604472
UniProt ID	O75888
Chromosome Location	17p13.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem
Function	cytokine activity; receptor binding

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