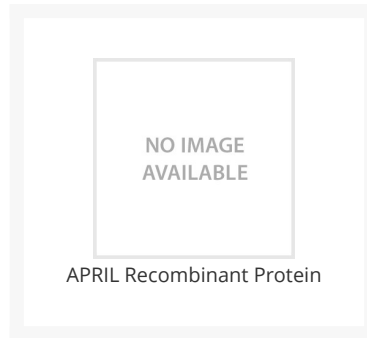




APRIL Recombinant Protein

Cat. No.: 40-453



Ψ Specifications

SPECIES:	Murine
SOURCE SPECIES:	E. coli
SEQUENCE:	MRREVSRLQR SGGPSQKQGE RPWQSLWEQS PDVLEAWKDG AKSRRRRRAVL TQKHKKKHSV LHLVPVNITS KSDVTEVMW QPVLRRGRGL EAQGDIVRVW DTGIYLLYSQ VLFHDVTFTM GQVVSREGQG RRETLFRCIR SMPSPDRAY NSCYSAGVFH LHQGDIIIVK IPRANAKLSL SPHGTFLGFV KL
TESTED APPLICATIONS:	

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized APRIL recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted APRIL is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing APRIL recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	Tnfsf13
ALTERNATE NAMES:	April, Tall2, Trdl1, 2310026N09Rik, April, Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, APRIL
ACCESSION NO.:	NP_001152977.1
PROTEIN GI NO.:	226958398
GENE ID:	69583

Background and References

BACKGROUND:	<p>APRIL, a member of the TNF superfamily, is expressed in monocytes, macrophages, certain transformed cell lines, certain cancers of colon, and lymphoid tissues. APRIL, along with another TNF family member, BAFF, compete for two receptors, TACI and BCMA. APRIL has the ability to stimulate proliferation of various tumor cell lines including Jurkat T cells and MCF-7 carcinoma cells. Like BAFF, APRIL also stimulates the proliferation of B and T cells. The human APRIL gene codes for at least four alternatively spliced transcriptional variants, which give rise to different isoforms of the APRIL precursor protein. All isoforms can be cleaved by the protease, furin, to release a soluble C-terminal fragment, which comprises the TNF like receptor binding of the APRIL precursor. Recombinant murine APRIL is a soluble 21.9 kDa protein, consisting of 192 amino acid residues.</p>
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