

APRIL active protein

APRIL protein

CATALOG #
AAA75589HOST
Human

PRODUCT SYNONYMS

APRIL; APRIL protein; TNFSF13 protein; TRDL-1a protein; TRDL-1 alpha protein; A Proliferating-inducing Ligand protein; APRIL active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> or = 95% pure by SDS-PAGE gel and HPLC
Form/Format	Lyophilized powder from 10mM Sodium Phosphate, pH7.5 plus 500mM NaCl plus 5% Trehalose. Centrifuge the vial prior to opening. Reconstitute by adding water to a concentration of 0.1-0.5mg/ml. Do not vortex.
Concentration	10ug lyophilized (varies by lot)
Sequence	Region of AP RIL protein correspond to amino acids AVLTQ KQKKQHSVLH LVPINATSKD DSDVTEVMWQ PALRRGRGLQ AQGYGVRIQD AGVYLLYSQV LFQDVTFTMG QVVSREGQGR QETLFRICRS MPSPHDPDRAYN SCYSAGVFHL HQGDILSVII PRARAKLNLS PHGTFLGFVK L.
Sequence Length	205
Protein Type	Recombinant
Biological Significance	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.
Endotoxin Levels	Endotoxin level is <0.1ng/ug of protein
Expression System	Hi-5 cells
Biohazard	Use appropriate laboratory precautions when handling this product.
Preparation and Storage	Ships ambient or refrigerated. After receipt, store at 4 degree C short term, -20 degree C long term.

ADDITIONAL INFORMATION

Related Product Information for APRIL active protein	Purified recombinant Human APRIL protein
Product Categories/Family for APRIL active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	310750389
NCBI GeneID	8741

NCBI Accession #	NP_001185553.1
NCBI GenBank Nucleotide #	NM_001198624.1
UniProt Accession #	O75888 ; Q541E1 ; Q5U0G8 ; Q96HV6 ; Q9P1M8 ; Q9P1M9 ; A8MYD5 ; B4DVT2
Molecular Weight	16.3 kDa
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 13 isoform eta
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 13
NCBI Official Symbol	TNFSF13
NCBI Official Synonym Symbols	APRIL; CD256; TALL2; ZTNF2; TALL-2; TRDL-1; UNQ383/PRO715
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 13
UniProt Gene Name	TNFSF13
UniProt Synonym Gene Names	APRIL; TALL2; ZTNF2; APRIL; TALL-2; TRDL-1
UniProt Entry Name	TNF13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/april/75589>