

APRIL, Human recombinant protein
A Proliferating-inducing Ligand, TNFSF13, TRDL-1 α
Catalog # PBV10752r**Specification**

APRIL, Human recombinant protein - Product info

Primary Accession [O75888](#)
Calculated MW **16.3 kDa KDa**

APRIL, Human recombinant protein - Additional Info

Gene ID **8741**
Gene Symbol **APRIL**
Other Names
A Proliferating-inducing Ligand, TNFSF13, TRDL-1 α

Gene Source **Human**
Source **Hi-5 insect cells**
Assay&Purity **SDS-PAGE; \geq 95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **AVLTQKQKKQ HSVLHLVPIN ATSKDDSDVT
EVMWQPALRR GRGLQAQGYG VRIQDAGVYL
LYSQVLFQDV TFTMGQVVSF EGQGRQETLF
RCIRSMPSHP DRAYNSCYSA GVFHLHQGDI
LSVIIPRARA KLNLSPHGTF LGFVKL**

Target/Specificity
APRIL

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5, 500 mM NaCl and 5% Trehalose.

APRIL, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APRIL, Human recombinant protein - Images

APRIL, Human recombinant protein - Background

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 human APRIL is a soluble 16.3 kDa protein, consisting of 146 amino acid residues.