

## Datasheet for ABIN7319715

### **TNFSF13 Protein (His tag,DYKDDDDK Tag)**



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#### Overview

Quantity:	50 µg
Target:	TNFSF13
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF13 protein is labelled with His tag,DYKDDDDK Tag.

#### Product Details

Purpose:	Recombinant Human APRIL/TNFSF13 Protein (His & Flag Tag)
Sequence:	Lys112-Leu250
Characteristics:	Recombinant Human APRIL is produced by our Mammalian expression system and the target gene encoding Lys112-Leu250 is expressed with a His, Flag tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	TNFSF13
Alternative Name:	APRIL/TNFSF13 ( <a href="#">TNFSF13 Products</a> )
Background:	Background: APRIL (a proliferation-inducing ligand), also known as TNFSF13, TALL2, TRDL1, and CD256, is a member of the TNF ligand superfamily. It is synthesized as a 32 kDa proprotein which is cleaved by furin in the Golgi to release the active 17 kDa soluble molecule. Secreted

Target Details

human APRIL, which consists almost entirely of a single TNF homology domain, shares 85 % amino acid sequence identity with mouse and rat APRIL. Both APRIL and its close relative BAFF bind and signal through the TNF superfamily receptors TACI and BCMA, while BAFF additionally functions through BAFF R. APRIL binds to heparan sulfate proteoglycans (HSPGs) independently of its binding to TACI and BCMA. APRIL can form bioactive heterotrimers with BAFF, and these circulate in the serum of patients with rheumatic immune disorders. APRIL enhances the proliferation and survival of plasma cells and also promotes T cell-dependent humoral responses. APRIL levels are elevated in the serum during coronary artery disease, and it is also elevated in many cancers primarily due to expression by tumor-infiltrating neutrophils.

Synonym: Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, APRIL, TNF- and APOL-related leukocyte expressed ligand 2, TALL-2, TNF-related death ligand 1, TRDL-1, CD256, TNFSF13, TALL2

Molecular Weight:	50 kDa
UniProt:	<a href="#">O75888</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.