

Recombinant Human TNFSF13 protein, His-tagged

Cat. No. TNFSF13-655H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human TNFSF13 (Ala105-Leu250) protein was fused to His-tag at N-terminus and expressed in human 293 cells (HEK293).

Species Human

Source HEK293

ProteinLength Ala105-Leu250

Description APRIL(a proliferation-inducing ligand) is also known as Tumor necrosis factor ligand superfamily member 13, TALL-2, TRDL-1, CD256, TNFSF 13, cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA. APRIL is a cytokine of the tumor necrosis factor family associated mainly with hematologic malignancies. The closely related TNF family ligands B cell activation factor (BAFF) and a proliferation-inducing ligand (APRIL) serve in the generation and maintenance of mature B-lymphocytes. Both BAFF and APRIL assemble as homotrimers that bind and activate several receptors that they partially share. BAFF-APRIL heteromers of different stoichiometries have distinct receptor-binding properties and activities. In addition, expression of APRIL was regulated by miR-145 in GC cells.

Predicted N Terminal Ala105

Form Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0, 10% trehalose.

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Molecular Mass	The protein has a calculated MW of 22.8 kDa. The protein migrates as 28 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TNFSF13
Official Symbol	TNFSF13
Synonyms	TNFSF13; tumor necrosis factor (ligand) superfamily, member 13; tumor necrosis factor ligand superfamily member 13; APRIL; CD256; 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; TALL2; ZTNF2; TALL-2; TRDL-1; FLJ57090; UNQ383/PRO715
Gene ID	8741

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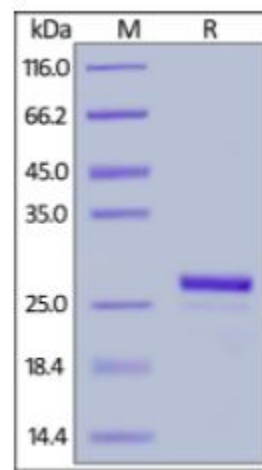
mRNA Refseq [NM_001198622](#)

Protein Refseq [NP_001185551](#)

MIM [604472](#)

UniProt ID [O75888](#)

**SDS-PAGE of
TNFSF13-655H**



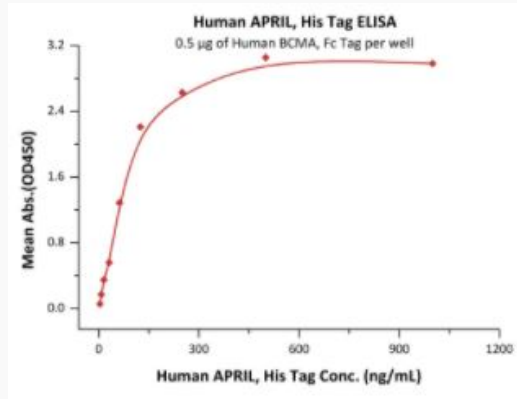
Human APRIL, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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**Bioactivity-ELISA of
TNFSF13-655H**



Immobilized Human BCMA, Fc Tag at 5 µg/mL (100 µL/well) can bind Human APRIL, His Tag with a linear range of 8-125 ng/mL (QC tested).

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