

Product datasheet for **TP728146S**

Recombinant APRIL (A proliferation-inducing ligand), Human

Product data:

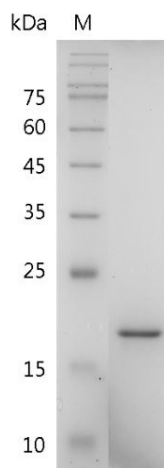
Product Type:	Recombinant Proteins
Description:	Recombinant APRIL (A proliferation-inducing ligand), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAVLTQKQKKQHSLVHLVPINATSKDDSDVTEVMWQPALRRGRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFRICIRSMPSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 17.29 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 0.1% sarkosyl in 1X PBS, pH 8.0.
Bioactivity:	Measured by its ability to induce cell death in Jurkat cells. The ED ₅₀ for this effect is 2.6-4.0 µg/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	AAQ91388
Synonyms:	TNFSF13, CD256, TALL-2, TALL2, TNLG7B, TRDL-1, UNQ383/PRO715, ZTNF2



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Summary:

APRIL is a member of tumor necrosis factor ligand superfamily that expressed by stromal tissue, macrophages, and T cells. APRIL is a 27.4 kDa protein containing 250 residues, which plays a critical role in modulating tumor progression. Besides, APRIL has been demonstrated to involve in regulating B and T cell survival, proliferation and differentiation via binding with TNFRSF13B/TACI and TNFRSF17/BCMA.

Product images:

SDS- PAGE analysis of recombinant human APRIL