

Human recombinant APRIL (A proliferation-inducing ligand) protein, AF

Catalog Number: PROTAAQ91388

Overview

Product Name	Human recombinant APRIL (A proliferation-inducing ligand) protein, AF
Description	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.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 0.1% sarkosyl in 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

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.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 17.29 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measured by its ability to induce cell death in Jurkat cells. The ED₅₀ for this effect is 2.6-4.0 ug/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MAVLTQKQKKQHSLHLVPINATSKDDSDVTEVMWQPALRRGRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFR CIRSMPSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARA KLNLSPHGTFLGFVKL with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/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.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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