

Recombinant human BAFF protein ab198426

Description

Product name	Recombinant human BAFF protein
Biological activity	Measured by its ability to stimulate human B lymphocyte cells. The ED50 of this effect is between 5 - 10 ng/ml
Purity	>= 98 % SDS-PAGE. by SDS-PAGE and HPLC analysis
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q9Y275</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFK RGSALLEKEN KILVKETGYFFIYGQVLTYDKTYAMGHLIQRKKVHVFGDELS LVTLFRCI QNMPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDG DVTFFGALK LL
Predicted molecular weight	17 kDa
Amino acids	134 to 285
Additional sequence information	Full length soluble BAFF

Specifications

Our **Abpromise guarantee** covers the use of **ab198426** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE
Form	Lyophilized
Additional notes	Useful for cell culture and for the study of signaling pathways.

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Store at -20°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 50% PBS, 0.01% DTT

0.2 µm filtered solution

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute at 0.1-1.0 mg/ml in distilled water. This solution can then be diluted into other buffers. To maximize product collection from vial surface, vortex briefly and then spin down to recollect the liquid.

General Info

Function

Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B-and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response.

Tissue specificity

Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver, thymus, and pancreas.

Sequence similarities

Belongs to the tumor necrosis factor family.

Post-translational modifications

The soluble form derives from the membrane form by proteolytic processing. N-glycosylated.

Cellular localization

Secreted and Cell membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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