

## Recombinant Human CD5L (C-6His)

Catalog #	EPT306
Expression Host	Human Cells
DESCRIPTION	Recombinant Human CD5 Antigen-Like is produced
	by our Mammalian expression system and the target
	gene encoding Ser20-Gly347 is expressed with a 6His
	tag at the C-terminus.
Accession	O43866
Synonyms	CD5 Antigen-Like; CT-2; IgM-Associated Peptide;
	SP-Alpha; CD5L; API6
Mol Mass	37.09 KDa
AP Mol Mass	38-50 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM
	PB, 150mM NaCl, pH 7.2.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,<br/>though stable at room temperature for 3 weeks.<br/>Reconstituted protein solution can be stored at 4-7 °C<br/>for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

**BACKGROUND** CD5 Antigen-Like (CD5L) is a soluble protein that belongs to group B of the scavenger receptor cysteine-rich (SRCR) superfamily and contains three SRCR domains. CD5L is a secreted glycoprotein and expressed by macrophages presentin lymphoid tissues. It binds to myelomonocytic and lymphoid cells and may play an important role in the regulation of



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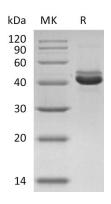
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the innate and adaptive immune systems. CD5L functions as a pattern recognition molecule by binding both lipoteichoic acid (LTA) on Gram positive and lipopolysaccharide (LPS) on Gram-negative bacteria and the SRCR domain one of CD5L retains both the LPS and LTA binding activities. Furthermore, CD5L seems to play a role as an inhibitor of apoptosis.



## **SDS-PAGE**



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