

CD5L Protein, Human, Recombinant (His)

General Information

Synonyms:	PRO229;SP-ALPHA;API6;Sp α ;CD5 molecule-like;SP- α ;Spalpha;AIM
Protein Construction:	Ser20-Gly347
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O43866
Molecular Weight:	37.2 kDa (Predicted); 40-50 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Activity testing is not tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μ m filtered solution in 20mM PBS, 360mM NaCl (pH 7.4).

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

CD5L, a soluble protein belonging to the SRCR superfamily, is expressed mostly by macrophages in lymphoid and inflamed tissues. The expression of this protein is transcriptionally controlled by LXRs, members of the nuclear receptor family that play major roles in lipid homeostasis. CD5L, its roles at the intersection between lipid homeostasis and immune response, and its potential use as a diagnostic biomarker in a variety of diseases, such as TB and liver cirrhosis.

Reference

Resnick, D. et al., 1994, Trends Biochem. Sci. 19: 5-8.

Gebe, J. A. et al., 1997, J. Biol. Chem. 272 (10): 6151-6158.

Sarrias, M.R. et al., 2004, Crit. Rev. Immunol. 24: 1-37.

Mukhopadhyay, S. and Gordon, S., 2004, Immunobiology 209: 39-49. Sarrias, M. R. et al., 2005, J. Biol. Chem. 280 (42): 35391-35398.

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