

## CD5L Protein, Human (HEK293, His)

Cat. No.:	HY-P72718
Synonyms:	CD5 antigen-like; mAIM; SP-alpha; Cd5l; AIM; API6
Species:	Human
Source:	HEK293
Accession:	O43866 (S20-G347)
Gene ID:	922
Molecular Weight:	38-50 kDa

### PROPERTIES

#### AA Sequence

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S P S G V R L V G G   L H R C E G R V E V   E Q K G Q W G T V C   D D G W D I K D V A
V L C R E L G C G A   A S G T P S G I L Y   E P P A E K E Q K V   L I Q S V S C T G T
E D T L A Q C E Q E   E V Y D C S H D E D   A G A S C E N P E S   S F S P V P E G V R
L A D G P G H C K G   R V E V K H Q N Q W   Y T V C Q T G W S L   R A A K V V C R Q L
G C G R A V L T Q K   R C N K H A Y G R K   P I W L S Q M S C S   G R E A T L Q D C P
S G P W G K N T C N   H D E D T W V E C E   D P F D L R L V G G   D N L C S G R L E V
L H K G V W G S V C   D D N W G E K E D Q   V V C K Q L G C G K   S L S P S F R D R K
C Y G P G V G R I W   L D N V R C S G E E   Q S L E Q C Q H R F   W G F H D C T H Q E
D V A V I C S G
  
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#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

#### Endotoxin Level

<1 EU/µg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

#### Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

#### Background

CD5L is a protein that plays multiple roles in various biological processes. One of its main functions is to regulate lipid metabolism and lipolysis. It does this by promoting the endocytosis of fatty acids into adipocytes via the CD36 receptor, which leads to the degradation of triacylglycerols into glycerol and free fatty acids. This process is important in maintaining

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proper lipid homeostasis in the body.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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