

## CD5 Protein, Human (Biotinylated , HEK293, His-Avi)

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| Cat. No.:         | HY-P74287  |
| Synonyms:         | T-cell surface glycoprotein CD5; Ly-1; Lyl-1; CD5; Leu-1 |
| Species:          | Human  |
| Source:           | HEK293   |
| Accession:        | P06127 (R25-P372)  |
| Gene ID:          | 921  |
| Molecular Weight: | Approximately 41.9 kDa                                   |

### PROPERTIES

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| Appearance          | Lyophilized powder.  |
| Formulation         | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.                                      |
| 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.  |
| 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

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| Background | The CD5 Protein presents itself as a potential receptor implicated in the regulation of T-cell proliferation. Its interaction with CD72/LYB-2 and PTPN6/SHP-1 suggests a multifaceted role in modulating cellular processes. Acting as a receptor, this protein may play a pivotal part in orchestrating T-cell responses, mediating crucial interactions with other cellular components. The engagement with CD72/LYB-2 and PTPN6/SHP-1 underscores its involvement in intricate signaling pathways, hinting at its significance in the regulatory networks that govern T-cell behavior. Further exploration of the CD5 Protein's functions could provide valuable insights into the molecular mechanisms underlying T-cell proliferation and immune modulation. |
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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