

PE-Labeled IL-15R alpha Protein, Human (HEK293, Fc)

Cat. No.:	HY-P701299
Synonyms:	IL-15 R alpha; CD215; IL15RA; IL-15RA; IL-15R-alpha
Species:	Human
Source:	HEK293
Accession:	Q13261 (I31-T205)
Gene ID:	3601
Molecular Weight:	46.6 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 µm filtered solution of PBS, 0.5% BSA, pH7.4. Normally trehalose is added as protectant 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 ₂ O.
Storage & Stability	Stored at -20°C for 1 year, protect from light. 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	IL-15R alpha Protein stands out as a high-affinity receptor for interleukin-15, as evidenced by studies. This receptor exhibits the remarkable capability to signal both in cis and trans, where IL15R from one subset of cells presents interleukin-15 to neighboring IL2RG-expressing cells (By similarity). Notably, in neutrophils, IL-15R alpha Protein binds to and activates the kinase SYK in response to interleukin-15 stimulation, playing a critical role in IL-15-induced phagocytosis in a SYK-dependent manner. It's important to note that the expression of different isoforms may introduce variations or interference with signal transduction processes. Despite its high affinity for interleukin-15, it is specified that IL-15R alpha Protein does not directly bind to IL15.
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Caution: Product has not been fully validated for medical applications. For research use only.

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