

IL-15R alpha & IL-15 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78558
Synonyms:	IL-15 R alpha; CD215; IL15RA; IL-15RA; IL-15R-alpha1; Interleukin-15; IL-15; IL15
Species:	Mouse
Source:	HEK293
Accession:	Q60819 (M1-K205) & P48346 (M1-S162)
Gene ID:	16169 & 16168
Molecular Weight:	Approximately 36 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	IL-15R alpha Protein emerges as the high-affinity receptor for interleukin-15, playing a crucial role in cellular signaling. This receptor exhibits the ability to signal both in cis and trans, where IL15R from one subset of cells presents interleukin-15 to neighboring IL2RG-expressing cells. In neutrophils, IL-15R alpha binds and activates the kinase SYK in response to interleukin-15 stimulation, and it is essential for IL-15-induced phagocytosis in a SYK-dependent manner. The interleukin-15 receptor, IL15R, forms a heterotrimer consisting of IL15RA, IL2RB, and IL2RG, with IL15RA capable of self-association (By similarity). Additionally, IL-15R alpha interacts with SYK, further highlighting its intricate involvement in cellular signaling pathways (By similarity).
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Caution: Product has not been fully validated for medical applications. For research use only.

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