

## IL-3R alpha/CD123 Protein, Canine (299a.a, HEK293, His)

Cat. No.:	HY-P77008
Synonyms:	Interleukin-3 receptor subunit alpha; IL-3R-alpha; IL-3RA; CD123
Species:	Canine
Source:	HEK293
Accession:	XP_851626 (M1-R299)
Gene ID:	609293
Molecular Weight:	Approximately 44 kDa

### PROPERTIES

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

Background	<p>The IL-3R alpha/CD123 Protein is a crucial member of the type I cytokine receptor family, specifically categorized within the Type 5 subfamily, emphasizing its pivotal role in mediating cellular responses to various cytokines. As part of this receptor family, IL-3R alpha/CD123 likely shares conserved structural and functional features with related receptors, underscoring its involvement in transducing signals from specific type I cytokines. The classification within the type I cytokine receptor family underscores its specific designation within the broader context of cell signaling, providing insights into its unique contributions to hematopoiesis and immune regulation. The study of IL-3R alpha/CD123 contributes to our understanding of its role in physiological processes, offering potential applications in therapeutic interventions for conditions related to hematopoietic disorders and immune dysregulation. Further exploration of IL-3R alpha/CD123's role holds promise for enhancing our knowledge of its contributions to both normal cellular function and pathological conditions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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