

## GM-CSF R alpha Protein, Cynomolgus (298.a.a, HEK293, His)

<b>Cat. No.:</b>	HY-P700730
<b>Synonyms:</b>	GM-CSF-R-alpha; GMCSFR-alpha; GMR-alpha; CSF2R; CSF2RY; CSF2RA; CDw116; CD116; CSF2RAX; CSF2RAY; CSF2RX; GMCSFR; GMR; SMDP4
<b>Species:</b>	Cynomolgus
<b>Source:</b>	HEK293
<b>Accession:</b>	A0A2K5UC70 (L20-S317)
<b>Gene ID:</b>	/
<b>Molecular Weight:</b>	60-70 kDa

### PROPERTIES

<b>Biological Activity</b>	Immobilized Cynomolgus GM-CSF R alpha, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GM-CSF R alpha Antibody, hFc Tag with the EC <sub>50</sub> of 5.9ng/ml determined by ELISA.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The GM-CSF R alpha Protein is a critical member of the type I cytokine receptor family, specifically categorized within the Type 5 subfamily, highlighting its essential role in mediating cellular responses to various cytokines. As part of this receptor family, GM-CSF R alpha likely shares conserved structural and functional features with related receptors, emphasizing 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 GM-CSF R alpha 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 GM-CSF R alpha'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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