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Product Sheet

Cynomolgus IL-3 Protein; hFc Tag

GM-88827RP-100 / 100 μg
GM-88827RP-1000 / 1 mg

Product Information

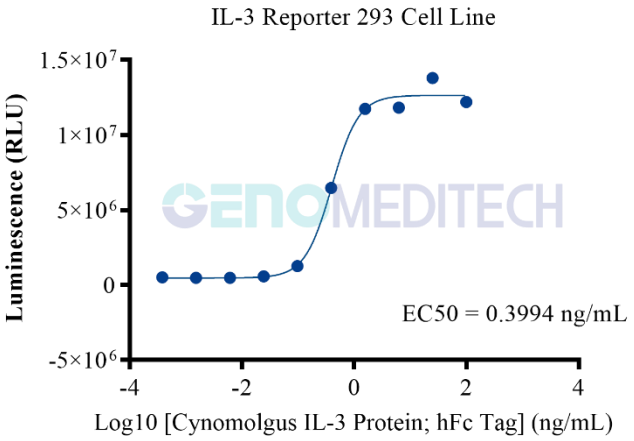
Product Name	Cynomolgus IL-3 Protein; hFc Tag
Source	Cynomolgus IL-3 Protein; hFc Tag (GM-88827RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 20 - Gln 143 (Accession # G7P877). This protein carries a hFc tag at the C-terminus.
Predicted MW	40.0 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	IL3, MCGF, MGC79398, MGC79399, MULTI-CSF, Interleukin-3
Background	IL-3 (interleukin-3, multi-colony stimulating factor) is a hematopoietic cytokine of the short-chain four-α-helical bundle family. Encoded within the cytokine cluster on chromosome 5q31.1 alongside GM-CSF, IL-4 and IL-5, it is secreted as a glycosylated polypeptide of about 133 residues folded into an up-up-down-down topology stabilized by two disulfide bonds. Produced by activated T cells, mast cells and natural killer cells, IL-3 binds the IL-3-specific α chain CD123 together with the β common subunit CD131 shared by the GM-CSF and IL-5 receptors, activating JAK2–STAT5, PI3K–AKT and MAPK signaling. It drives survival, proliferation and multilineage differentiation of hematopoietic progenitors and promotes mast cell and basophil activation; CD123 serves as a therapeutic target in acute myeloid leukemia.

Version 4.0.26.1019

For research use only!

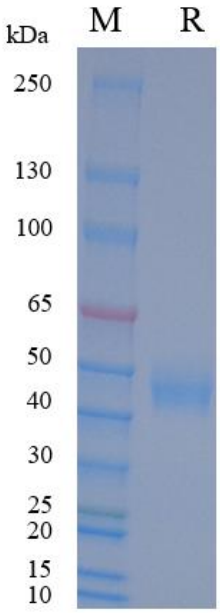
Data

Biological Activity



Cynomolgus IL-3 Protein; hFc Tag(Catalog # GM-88827RP) was added into IL-3 Reporter 293 Cell Line (Catalog # GM-C26142) and stimulates related signals.

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

IL-3	
IL-3 Reporter 293 Cell Line	Cynomolgus_CD123(IL3RA) CHO-K1 Cell Line
H_CD123(IL3RA) CHO-K1 Cell Line	H_CD123(IL3RA) HEK-293 Cell Line
Anti-H_CD123 hIgG2 Antibody(Talacotuzumab)	
Cynomolgus IL-3 Protein; His Tag	Human IL-3 Protein; hFc Tag
Human IL-3 Protein; His Tag	Human IL-3RA Protein; His Tag

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