

RPES8264

Product Information

Product SKU:	RPES8264	Expression Host:	Mammalian	Size:	20µg
Tag:	C-His	Reactivity:	Human	Accession:	P04141

Additional Information

Calculated MW:	13.9 kDa	Observed MW:	20-30 kDa
Sequence:	Ala18-Glu144		

Protein Information

Background:	CSF2 (Colony Stimulating Factor 2) is a Protein Coding gene. Diseases associated with CSF2 include Mucositis and Candida Glabrata. Among its related pathways are RET signaling and IL-15 Signaling Pathways and their Primary Biological Effects in Different Immune Cell Types. GO annotations related to this gene include cytokine activity and granulocyte macrophage colony-stimulating factor receptor binding. The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q-syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13.
Synonyms:	Colony stimulating factor 2 (granulocyte-macrophage), Colony Stimulating Factor 2, Colony stimulating factor, Colony-stimulating factor, CSF 2, CSF, CSF2, CSF2, GM-CSF, GMCSF, Granulocyte Macrophage Colony Stimulating Factor, Granulocyte-macrophage colony-stimulating factor, MGC131935, MGC138897, MGI1GM, Molgramostin, Pluripoietin-a, Sargramostim
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.

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Bio-Activity:

Not validated for activity

Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.