

RPES8216

Product Information

Product SKU:	RPES8216	Expression Host:	E.coli	Size:	20µg
Tag:	N-Trx	Reactivity:	Mouse	Accession:	P01586

Additional Information

Calculated MW:	35.3 kDa	Observed MW:	35 kDa
Sequence:	Ala27-Cys166		

Protein Information

Background: IL3 (interleukin 3), also known as IL-3, is a potent growth-promoting cytokine that belongs to the IL-3 family. IL3/IL-3 also belongs to the group of interleukins. Interleukins are produced by a wide variety of body cells. The function of the immune system depends in a large part on interleukins, and rare deficiencies of a number of them have been described, all featuring autoimmune diseases or immune deficiency. The majority of interleukins are synthesized by helper CD4+ T lymphocytes, as well as through monocytes, macrophages, and endothelial cells. They promote the development and differentiation of T, B, and hematopoietic cells. IL3/IL-3 is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation, and apoptosis. IL3/IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

Synonyms: Interleukin, Hematopoietic Growth Factor, Interleukin-3, Mast Cell Growth Factor, MCGF, MCSF, MULTI-CSF, Multipotential Colony-Stimulating Factor, P-Cell Stimulating Factor, P-Cell-Stimulating Factor, Csfmu, Il-3, Il3

Endotoxin: < 10 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.

Bio-Activity: Not validated for activity

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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.