

Product datasheet

Recombinant rat IL-3 protein (Animal Free) ab233608

2 Images

Description

Product name	Recombinant rat IL-3 protein (Animal Free)	
Biological activity	NFS-60 cell proliferation. ED ₅₀ ≤ 10 ng/ml (≥ 1.0 x 10 ⁴ units/mg).	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	≤1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P04823	
Protein length	Full length protein	
Animal free	Yes	
Nature	Recombinant	
Species	Rat	
Sequence	MISDRGSDAHLLRLDCRTIALEILVKLPYPQVSGLNNSD DKANLRNST LRRVNLDEFLLKSQEEFDSQDITDIKSKLQKLKCCIPAAAS DSVLPGVYNK DLDDFKKKLRFYVIHLKDLQPVSVSRPPQPTSSSDNFRP MTVEC	
Predicted molecular weight	16 kDa	
Amino acids	27 to 166	
Additional sequence information	This product is the mature full length protein from aa 27 to 166. The signal peptide is not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab233608** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C.

Constituent: 0.1% Trifluoroacetic acid

Lyophilized from a sterile (0.2 micron) filtered aqueous solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Centrifuge vial before opening. Reconstitute with sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

General Info

Function

Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.

This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.

Tissue specificity

Activated T-cells, mast cells, natural killer cells.

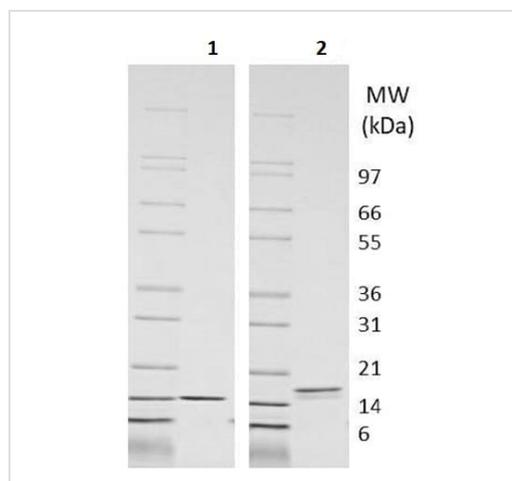
Sequence similarities

Belongs to the IL-3 family.

Cellular localization

Secreted.

Images

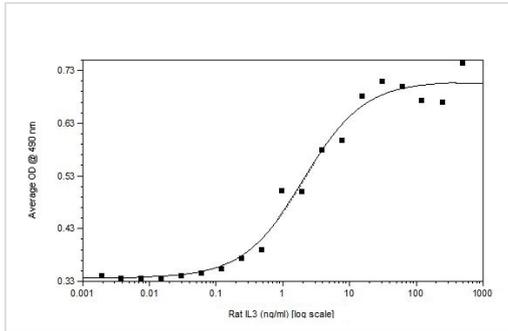


SDS-PAGE - Recombinant rat IL-3 protein (Animal Free) (ab233608)

1 µg ab233608 analyzed on a 4-20% Tris-Glycine gel, stained with Coomassie Blue.

Lane 1: Non-reducing conditions.

Lane 2: Reducing conditions.



ab233608 induced proliferation of NFS-60 cells.

Functional Studies - Recombinant rat IL-3 protein
(Animal Free) (ab233608)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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