

Recombinant Mouse Lungkine/CXCL15 (Mouse Lungkine/CXCL15)

Product Information

Product Name	Cat#	Size
	90932ES08	5 µg
Recombinant Mouse Lungkine/CXCL15 (Mouse Lungkine/CXCL15)	90932ES60	100 µg
	90932ES76	500 µg

Product Description

Mouse Lungkine/CXCL15, also named WECHE, is a member of the ELR motif-containing CXC chemokines. Mouse Lungkine shares 35% aa sequence identity with human ENA-78 and 31% identity with human IL-8. CXCL15 is a novel CXC chemokine that is highly expressed in the adult mouse lung. CXCL15 has suppressive activity on proliferation and expansion of multi-potential, erythroid, granulocyte and macrophage progenitors in S-phase specific manner. Lungkine protein is secreted into bronchoalveolar space and is involved in lung-specific neutrophils trafficking. Lungkine is also chemotactic for bone marrow progenitor cells and modulates hematopoietic cell differentiation.

Product Properties

Synonyms	CXCL15, I18, IL-8, Lungkine, Scyb15, Weche
Accession	Q9WVL7
GeneID	20309
Source	E.coli-derived mouse Lungkine/CXCL15 protein, Gln26-Ala167.
Molecular Weight	Approximately 16.4 kDa.
AA Sequence	QELRCLCIQE HSEFIPLKLI KNIMVIFETI YCNRKEVIAV PKNGSMICLD PDAPWVKATV GPITNRFLPE DLKQKEFPPA MKLLYSVEHE KPLYLSFGRP ENKRIFPFPI RETSRHFADL AHNSDRNFLR DSSEVSLTGS DA
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration of 20-100 ng/mL. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.02% Tween-20. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!