

Lungkine (CXCL15) Mouse Recombinant

Item Number	rAP-0243
Synonyms	C-X-C motif chemokine 15, Lungkine, Small-inducible cytokine B15, Cxcl15, Scyb15.
Description	Recombinant Mouse Lungkine produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 142 amino acids and having a molecular mass of 16.4kDa. The CXCL15 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9WVL7
Amino Acid Sequence	QELRCLCIQE HSEFIPLKLI KNIMVIFETI YCNRKEVIAP PKNGSMICLD PDAPWVKATV GPITNRLPE DLKQKEFPPA MKLLYSVEHE KPLYLSFGRP ENKRIFPFPI RETSRHFADL AHNSDRNFLR DSSEV- SLTGS DA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Lungkine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The Lungkine protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH 7.4 and 0.02% Tween-20. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Lungkine in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration of 20-100 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**