

# Mouse Lungkine Recombinant Protein



RPPB1185

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## Product Information   Protein Information

**Product SKU:**

RPPB1185

**Accession:**

Q9WVL7

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

C-X-C motif chemokine 15, Lungkine, Small-inducible cytokine B15, Cxcl15, Scyb15.

**Formulation:**

The Lungkine protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH 7.4 and 0.02% Tween-20.

**Purity:**

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Lungkine in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

QELRCLCIQE HSEFIPLKLI KNIMVIFETI YCNRKEVIIV PKNGSMICLD PDAPWVKATV GPITNRFLE  
DLKQKEFPPA MKLLYSVEHE KPLYLSFGRP ENKRIFPPI RETSRHFADL AHNSDRNFLR DSSEVSLTGS DA.

**Biological Activity:**

The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration of 20-100 ng/ml.