

DESCRIPTION

Source *E. coli*-derived
Lys40-Tyr113
Accession # AAG36786

N-terminal Sequence Analysis Lys40

Predicted Molecular Mass 8.2 kDa

SPECIFICATIONS

Activity Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CXCR2.
The ED₅₀ for this effect is 0.2-1 µg/mL.

Endotoxin Level <0.10 EU per 1 µg of the protein by the LAL method.

Purity >97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Formulation Lyophilized from a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CXCL7 is a member of the alpha (CXC) subfamily of chemokines. Mouse CXCL7 cDNA encodes a 113 amino acid residue precursor protein. Signal P prediction program analysis indicates that this precursor protein contains an amino terminal 39 amino acid residue signal peptide and a 74 amino acid mature chemokine. Mouse CXCL7 shares 72% amino acid sequence identity with rat CXCL7. The recombinant mouse CXCL7 produced by R&D Systems has been shown to chemoattract mouse BaF3 cells transfected with human CXCR2, but not human CXCR1.