

Recombinant Mouse CXCL7 (48-109) protein(His Tag)

Catalog Number:PKSM041516



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

| | |
|------------------------------------|--|
| Synonyms | AI462269 |
| Species | Mouse |
| Expression Host | E.coli |
| Sequence | Ile 48-Ile 109 |
| Accession | NP_076274 |
| Calculated Molecular Weight | 7.6 kDa |
| Observed molecular weight | 11 kDa |
| Tag | N-His |
| Bioactivity | Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is < 5 ng/mL. |

Properties

| | |
|-----------------------|---|
| Purity | > 98 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 0.1 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Human Chemokine (C-X-C motif) Ligand 7 (CXCL7); also known as neutrophil activating peptide 2 (NAP-2); is a member of the CXC chemokines containing an ELR domain (Glu-Leu-Arg tripeptide motif). Similar to other ELR domain containing CXC chemokines; such as IL-8 and the GRO proteins; CXCL7 binds CXCR2; chemoattracts and activates neutrophils. CXCL7; Connective Tissue Activating Protein III (CTAPIII) and β thromboglobulin (β TG); are proteolytically processed carboxylterminal fragments of platelet basic protein (PBP) which is found in the alpha-granules of human platelets. Although CTAPIII; β TG; and PBP represent amino-terminal extended variants of NAP2 and possess

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Recombinant Mouse CXCL7 (48-109) protein(His Tag)

Catalog Number:PKSM041516



the same CXC chemokine domains; these proteins do not exhibit CXCL7/NAP2 activity. CXCL7 induces cell migration through the G-protein-linked receptor CXCR-2.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: www.elabscience.com

Email: techsupport@elabscience.com