

Recombinant Rat SDF-1/CXCL12 protein (GST tag)

Catalog Number: PDER100045



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

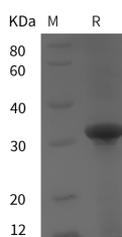
Description

| | |
|------------------------------------|--|
| Synonyms | Cxcl12;Stromal cell-derived factor 1;SDF-1;TPAR1;C-X-C motif chemokine 12;Pre-B cell growth-stimulating factor;TLSF;Sdf1 |
| Species | Rat |
| Expression Host | E.coli |
| Sequence | Gly 21-Lys 89 |
| Accession | Q9QZD1 |
| Calculated Molecular Weight | 32.5 kDa |
| Observed molecular weight | 35 kDa |
| Tag | N-GST |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | Please contact us for more information. |
| 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



> 95 % as determined by reducing SDS-PAGE.

Background

CXCL12, also known as SDF-1, is a CXC chemokine that interacts with CXCR4. SDF-1 alpha and SDF-1 beta are alternatively spliced isoforms of CXCL12. SDF-1 beta has an additional 4 amino acids at the carboxy-terminus.

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