

Datasheet: PHP122

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| Description: | RECOMBINANT HUMAN SDF-1 ALPHA |
| Name: | SDF-1 ALPHA |
| Other names: | CXCL12a |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 10 µg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|-------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | 0.2 - 0.4ng/well |
| Western Blotting | ▪ | | | 1.5 - 3.0ng/lane |
| Functional Assays | ▪ | | | 20ng/ml - 80ng/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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| Target Species | Human |
| Product Form | Purified recombinant protein - lyophilized |
| Reconstitution | Reconstitute with 0.1 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. |
| Preparation | Recombinant protein prepared in <i>E.coli</i> |
| Source | E.coli |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Endotoxin Level | < 0.1 ng/ug |

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| Approx. Protein Concentrations | 0.1 mg/ml after reconstitution |
| External Database Links | <p>UniProt: P48061 Related reagents</p> <p>Entrez Gene: 6387 CXCL12 Related reagents</p> |
| Synonyms | SDF1, SDF1A, SDF1B |
| Product Information | Stromal cell derived factor 1 alpha (SDF-1 alpha) belongs to the C-X-C family of human chemokines. |
| Protein Molecular Weight | 8.0 kDa (68 amino acid sequence) |
| Purity | >98% by SDS PAGE and HPLC |
| ELISA | PHP122 may be used in ELISA applications with either AHP794 or AHP794B . |
| Western Blotting | PHP122 may be used under reducing or non-reducing western blotting conditions with either AHP794 or AHP794B . |
| Storage | <p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date. |
| Health And Safety Information | Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/PHP122 10268 |
| Regulatory | For research purposes only |

Related Products

Recommended Useful Reagents

[RABBIT ANTI HUMAN SDF-1 ALPHA \(AHP794\)](#)

[RABBIT ANTI HUMAN SDF-1 ALPHA:Biotin \(AHP794B\)](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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