

## Datasheet: PHP122

**BATCH NUMBER 155359**

<b>Description:</b>	RECOMBINANT HUMAN SDF-1 ALPHA
<b>Name:</b>	SDF-1 ALPHA
<b>Other names:</b>	CXCL12a
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Recombinant protein prepared in <i>E.coli</i>
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P48061</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6387</a>    CXCL12    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SDF1, SDF1A, SDF1B
<b>Product Information</b>	Stromal cell derived factor 1 alpha (SDF-1 alpha) belongs to the C-X-C family of human chemokines.
<b>Protein Molecular Weight</b>	8.0 kDa (68 amino acid sequence)
<b>Purity</b>	>98% by SDS PAGE and HPLC
<b>ELISA</b>	PHP122 may be used in ELISA applications with either <a href="#">AHP794</a> or <a href="#">AHP794B</a> .
<b>Western Blotting</b>	PHP122 may be used under reducing or non-reducing western blotting conditions with either <a href="#">AHP794</a> or <a href="#">AHP794B</a> .
<b>Storage</b>	<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>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP122">https://www.bio-rad-antibodies.com/SDS/PHP122</a> 10268
<b>Regulatory</b>	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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