

Datasheet: PHP122

BATCH NUMBER 159215

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.

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>
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

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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