

Datasheet: PHP122

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	0.1 mg/ml after reconstitution

Concentrations

External Database

Links

UniProt:

[P48061](#) [Related reagents](#)

Entrez Gene:

[6387](#) CXCL12 [Related reagents](#)

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

Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

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.

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:
10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

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

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M362353:200501'

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