

Datasheet: PHP055

Description:	RECOMBINANT HUMAN INTERLEUKIN-8 (72 AMINO ACIDS)
Name:	IL-8 (72 AMINO ACIDS)
Other names:	CXCL8
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	25 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	▪			10 - 100ng/ml

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

Target Species	Human
Product Form	Purified protein produced in <i>E. coli</i> - lyophilised
Reconstitution	Reconstitute with 0.25ml 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. For extended storage the addition of 0.1% bovine serum albumin (BSA) is recommended.
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**

UniProt:

[P10145](#) [Related reagents](#)

Entrez Gene:

[3576](#) IL8 [Related reagents](#)

Synonyms CXCL8

Product Information **Recombinant Human interleukin-8 (72aa)** is an *E. coli* derived form of human interleukin-8, also known as Interleikin-8 (6-77), (Ser-IL-8)72, GCP/IL-8 protein I, IL8/NAP1 form III, Lymphocyte-derived neutrophil-activating factor, LYNAP, MDNCF-c or Neutrophil-activating factor. The product is a truncated form of full length recombinant human Interleukin-8 ([PHP054](#)) lacking the five amino terminal residues (AVLPR). Significant chemotactic activity of Human IL-8 on human neutrophils was achieved at 25ng/ml (assayed by a modified Boyden chamber).

Protein Molecular Weight 8.4kD (72 Amino acid sequence)

Purity >98% by SDS PAGE and HPLC analysis

ELISA Recombinant human IL-8 may be used as the standard for ELISA applications with either a [purified human IL-8 antibody](#) (AHP781) or a [biotinylated human IL-8 antibody](#) (AHP781B)

Western Blotting Recombinant human IL-8 may be used as the positive control for Western Blotting applications with either a [purified human IL-8 antibody](#) (AHP781) or a [biotinylated human IL-8 antibody](#) (AHP781B).

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 #10527 available at: 10527: <https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf>

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