

Datasheet: PHP054

Description:	RECOMBINANT HUMAN INTERLEUKIN-8 (77 AMINO ACIDS)
Name:	IL-8 (77 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			■	
Functional Assays	■			25ng/ml - 150ng/ml

Where this protein 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 protein for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised
Reconstitution	Reconstitute with 0.25 ml distilled water
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	0.1 mg/ml
External Database Links	<p>UniProt: P10145 Related reagents</p> <p>Entrez Gene: 3576 IL8 Related reagents</p>
Synonyms	CXCL8

Product Information **Recombinant Human interleukin-8 protein** is an *E. coli* derived full length form of interleukin-8, also known as C-X-C motif chemokine 8, Emoctakin, Granulocyte chemotactic protein 1, Monocyte-

derived neutrophil chemotactic factor, Monocyte-derived neutrophil-activating peptide, Neutrophil-activating protein 1, Protein 3-10C or T-cell chemotactic factor. Human interleukin-8 promotes neutrophil chemotaxis and degranulation. The 77 amino acid form is the predominant form secreted by endothelial cells.

A truncated form, IL-8 (6-77) of human interleukin-8 ([PHP055](#)) is also available.

Protein Molecular Weight

8.9kD (77 amino acid sequence)

Purity

>98% by SDS PAGE and HPLC analysis

Storage

Prior to reconstitution store at +4°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.

Shelf Life

3 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10277 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10277.pdf>

Regulatory

For research purposes only

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