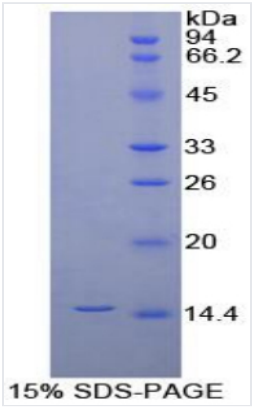
Interleukin 8 (IL8) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin 8 (IL8), Recombinant Protein
Full Product Name	Recombinant Interleukin 8 (IL8)
Product Gene Name	IL8 recombinant protein
Sequence	The target protein is fused with two N-terminal Tags, His-tag and S-tag, its sequence is listed below. MHHHHHHS SGLVPRGSGM KETAAAKFER QHMDSPDLGT DDDDKAMADI GSEF-AVLSR VSSEL RCQCIKTHST PFHPKYIKEL RVIDSGPHCE NSEIIVKLFN GNEVCLDPKE KWVQKVVQIF LKKAEKQDP
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Purity/Purification	> 95%
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Biotin Conjugated Antibody: IL8 (MBS2002937) Immunogen: IL8 (MBS2009444)
Matching Pairs	Unconjugated Antibody: IL8 (MBS2006416) Immunogen: IL8 (MBS2009444)
Matching Pairs	Unconjugated Antibody: IL8 Clone #C4 (MBS2012762) Immunogen: IL8 (MBS2009444)
Matching Pairs	FITC Conjugated Antibody: IL8 (MBS2016277) Immunogen: IL8 (MBS2009444)
Matching Pairs	APC-CY7 Conjugated Antibody: IL8 (MBS2037146) Immunogen: IL8 (MBS2009444)
Matching Pairs	APC-CY7 Conjugated Antibody: IL8 Clone #C4 (MBS2037147) Immunogen: IL8 (MBS2009444)
Matching Pairs	PE Conjugated Antibody: IL8 (MBS2037148) Immunogen: IL8 (MBS2009444)
Matching Pairs	PE Conjugated Antibody: IL8 Clone #C4 (MBS2037149) Immunogen: IL8 (MBS2009444)
Matching Pairs	APC Conjugated Antibody: IL8 (MBS2037150) Immunogen: IL8 (MBS2009444)
Matching Pairs	APC Conjugated Antibody: IL8 Clone #C4 (MBS2037151) Immunogen: IL8 (MBS2009444)
Matching Pairs	Cy3 Conjugated Antibody: IL8 (MBS2037152) Immunogen: IL8 (MBS2009444)
Matching Pairs	Cy3 Conjugated Antibody: IL8 Clone #C4 (MBS2037153) Immunogen: IL8 (MBS2009444)

Matching Pairs	FITC Conjugated Antibody: IL8 Clone #C4 (MBS2037154) Immunogen: IL8 (MBS2009444)
Matching Pairs	HRP Conjugated Antibody: IL8 (MBS2037155) Immunogen: IL8 (MBS2009444)
Matching Pairs	HRP Conjugated Antibody: IL8 Clone #C4 (MBS2037156) Immunogen: IL8 (MBS2009444)
Matching Pairs	Biotin Conjugated Antibody: IL8 Clone #C4 (MBS2090753) Immunogen: IL8 (MBS2009444)
Molecular Weight	14.8kDa
Chromosome Location	Chromosome: 13; NC_006595.3 (62435035..62438354). Location: chromosome: 13
3D Structure	ModBase 3D Structure for P41324
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Organism	Canis familiaris; Canine (Dog)
Expression System	Prokaryotic expression
Residues	Ala23~Pro101 (Accession # P41324) with two N-terminal Tags, His-tag and S-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for IL8 recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for IL8 recombinant protein	MBS2009444 is a recombinant protein targeting IL8. Also known as Recombinant Interleukin 8 (IL8). Host: E Coli.
Other Notes	Small volumes of IL8 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of IL8 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL8. It may not necessarily be applicable to this product.

NCBI GI #	55741690
NCBI GeneID	403850

NCBI Accession #	NP_001003200.1
UniProt Primary Accession #	P41324
UniProt Related Accession #	P41324
GenBank Nucleotide #	NM_001003200.1
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	IL8
UniProt Protein Name	Interleukin-8
UniProt Synonym Protein Names	C-X-C motif chemokine 8
UniProt Gene Name	IL8
UniProt Synonym Gene Names	CXCL8; IL-8
UniProt Entry Name	IL8_CANFA
NCBI Protein Information	interleukin-8; IL-8; C-X-C motif chemokine 8
UniProt Comments for IL8	Function: IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. Subunit structure: Homodimer. Subcellular location: Secreted. Post-translational modification: Citrullination at Arg-27 prevents proteolysis, and dampens tissue inflammation, it also enhances leukocytosis, possibly through impaired chemokine clearance from the blood circulation By similarity. Sequence similarities: Belongs to the intercrine alpha (chemokine CxC) family.
Research Articles on IL8	**1.** Data indicate that the Leishmania braziliensis antigens plus saponin (LBSap) vaccine induced high levels of IL-12, IL-10, CCL4, CCL5 and CXCL8 expression within 48 hours.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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