

Recombinant CXCL10 (IP-10)

ORDERING INFORMATION

Catalog No.	Size
50193P-5	5ug
50193P-20	20ug
50193P-50	50ug
50193P-100	100ug
50193P-1000	1000ug

BACKGROUND

CXCL10, also known as γ -interferon-inducible protein (IP-10), was originally identified as an IFN-gamma-inducible gene in endothelial cells, fibroblasts, and monocytes. IP-10 signals through the CXCR3 receptor to attract Th1 lymphocytes and monocytes. It also has angiostatic and mitogenic properties on vascular smooth muscle cells. A diverse population of cell types rapidly increases transcription of mRNA encoding IP-10, suggesting that IP-10 might be a key mediator of the IFN-gamma response.

DESCRIPTION

Source:	Recombinant human CXCL10 is produced in <i>E. coli</i> (accession no. P02778, aa 22-98).
Protein Sequence:	VPLSRTVRCISISNQPVNPRSLEKLEIIPASQFCPRVEIIATMKKKGE KRCLNPESKAIKNLLKAVSKERSKRSP
Molecular Mass:	8.646kDa by Mass Spec.
Purity:	>97% by SDS-PAGE
Activity:	EC50 = 6.3nM determined by Migration Assay in cells expressing recombinant CXCR3.
Endotoxin Level:	<0.01 EU per 1ug of protein by LAL method.
Form:	Lyophilized.
Carrier Protein:	None.

PREPARATION AND STORAGE

Reconstitution:	Recommended at 100ug/ml in sterile distilled water.
Stability and Storage:	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, -20°C to -70°C, under sterile conditions after reconstitution. Best if used immediately after reconstitution. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in diagnostic or therapeutic procedures.