

Product datasheet for **AR50121PU-N**

CXCL11 / ITAC (22-94, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CXCL11 / ITAC (22-94, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MFPMFKRGRC LCIGPGVKAV KVADIEKASI MYPNNCDKI EVIITLKENK GQRCLNPKSK QARLIKKVE RKNF
Tag:	His-tag
Predicted MW:	10.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 10 mM sodium citrate (pH 3.5), 20% glycerol, 2 mM DTT
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CXCL11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001289052
Locus ID:	6373
UniProt ID:	O14625
Cytogenetics:	4q21.1
Synonyms:	b-R1; H174; I-TAC; IP-9; IP9; SCYB9B; SCYB11



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Summary:

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This antimicrobial gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway

Product images: