

## Product datasheet for **TP723076**

### **CXCL5 (NM\_002994) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human chemokine (C-X-C motif) ligand 5 (CXCL5).
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	LRELRCVCLQ TTQGVHPKMI SNLQVFAIGP QCSKVEVAS LKNGKEICLD PEAPFLKKVI QKILDGGNKE N
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	7.8 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bioactivity:</b>	Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/ml.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_002985</a>
<b>Locus ID:</b>	6374
<b>UniProt ID:</b>	<a href="#">P42830</a>
<b>RefSeq Size:</b>	2505
<b>Cytogenetics:</b>	4q13.3
<b>RefSeq ORF:</b>	342
<b>Synonyms:</b>	ENA-78; SCYB5



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**Summary:**

This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Product images:**