

## CXCL5

### Recombinant Rat LPS-induced CXC chemokine

<b>Catalog No.</b>	CS282A CS282B CS282C	<b>Quantity:</b>	5 µg 20 µg 1 mg
<b>Alternate Names:</b>	C-X-C motif chemokine 5, CXC chemokine LIX; Cytokine LIX, Small-inducible cytokine B5, Cxcl6		
<b>Description:</b>	LPS-induced CXC chemokine is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells, and is a chemoattractant for neutrophils. CXCL5 contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.		
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.		
<b>Gene ID:</b>	60665		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Approximately 9.8 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.		
<b>Formulation:</b>	Lyophilized from a 0.2µm filtered concentrated solution in 2 × PBS, pH 7.4.		
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	Less than 1 EU/µg of rRtLIX/CXCL5 as determined by LAL method.		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> determined by a chemotaxis bioassay using human peripheral blood neutrophils is less than 100 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg.		
<b>Amino Acid Sequence:</b>	APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIQK ILGSDKKKAK RNALAVERTA SVQ		
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

