

## PRODUCT INFORMATION

**CXCL11 (C-X-C motif chemokine 11), Human**

<b>Catalog number</b>	C01136-5UG / C01136-20UG / C01136-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	CXCL11 has functional and structural relationship with CXCL9 and CXCL10. This CXC chemokine lacks a ELR (Glutamate-Leucine-Arginine) tripeptide motif.. Similar to CXCL9 and CXCL10, CXCL11 can specifically bind to the G protein-coupled receptor CXCR3 and involve in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by The Th1-associated cytokine IFN $\gamma$ can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	FPMFKRGRCLCIGPGVKAVKVDIEKASIMYPSNNCDKIEVIITLKENKGQRCLN PKSKQARLIKKVERKNF with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED <sub>50</sub> for this effect is <4 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human CXCL11

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