

## Fractalkine Human Recombinant (CX3CL1)

<b>Item Number</b>	rAP-0147
<b>Synonyms</b>	Fractalkine, CX3CL1, Neurotactin, CX3C membrane-anchored chemokine, Small inducible cytokine D1, NTN, NTT, CX3C, CX3C3, SCYD1, ABCD-3, C3Xkine.
<b>Description</b>	Fractalkine Human Recombinant- produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 76 amino acids and having a molecular mass of 8638 Dalton. The Fractalkine is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P78423
<b>Amino Acid Sequence</b>	QHHGVTKCNITCSKMTSKIPVALLIHYQQNQASCGKRAIILETRQHRFLFCADPKEQW VKDAMQHLDR-QAAALTRNG.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CX3CL1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CX3CL1 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The CX3CL1 was lyophilized from a 0.2µm filtered concentrated (1.0 mg/ml) solution in 20mM Phosphate buffer, pH 7.4, 50mM NaCl. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized CX3CL1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The Biological activity is calculated by its ability to chemoattract human T-Lymphocytes using a concentration range of 5.0-10.0 ng/ml corresponding to a Specific Activity of 100,000-200,000IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**