

Fractalkine Mouse Recombinant (CX3CL1)

Item Number	rAP-0146
Synonyms	Fractalkine, C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1, Cx3cl1, Cx3c, Fkn, Scyd1, CX3C, ABCD-3, AB030188, A1848747, D8Bwg0439e.
Description	Fractalkine Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 76 amino acids and having a molecular mass of 8.7kDa. The CX3CL1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O35188
Amino Acid Sequence	QHLGMTKCEI MCGKMTSRIP VALLIRYQLN QESCGKRAIV LETTQHRRFC ADPKEKWVQD AMKHLD-HQAA ALTKNG.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CX3CL1 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using human peripheral blood lymphocytes (PBL) is less than 0.5 µg/ml, corresponding to a specific activity of > 2000IU/mg.
Shipping Format and Condition	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**