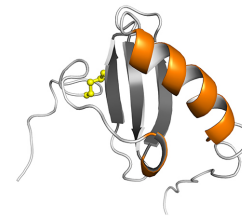


## Recombinant Human XCL1/ lymphotactin



**Description:** This construct contains the WT sequence for XCL1. A disulfide bond forms between C11 and C48. It has previously been shown that WT Lymphotactin (XCL1) is able to interconvert between two distinct conformations under physiological conditions. In one conformation, Lymphotactin exists as a monomer and is able to bind to its receptor, XCR1. In the other conformation, Lymphotactin exists as a dimer and loses its affinity for XCR1<sup>1,2</sup>. XCL1 protein is expressed in *E. coli*, refolded and cleaved to yield the native, secreted form of the mature chemokine.

Amino Acid Sequence:	VGSEVSDKRT CVSLTTQRLP VSRIKTYTIT EGSLRAVIFI TKRGLKVCAD PQATWVRDVV RSMDRKSNTR NNMIIQTKPTG TQQSTNTAVT LTG
Molecular Weight:	10269.7 Daltons
Fusion Tag:	N/A
Special Characteristic(s):	N/A
Purity:	Purity assessed by SDS-PAGE, HPLC, Mass Spectrometry, and NMR.
Source:	human protein expressed in <i>E. coli</i>
Physical Form:	Lyophilized
Solubility:	Freely Soluble in Water
Storage Conditions:	

Product Form	Temperature	Storage Time
Lyophilized	-20°C to -80°C	24 months
Lyophilized	4°C	6 months
Lyophilized	RT	1 month

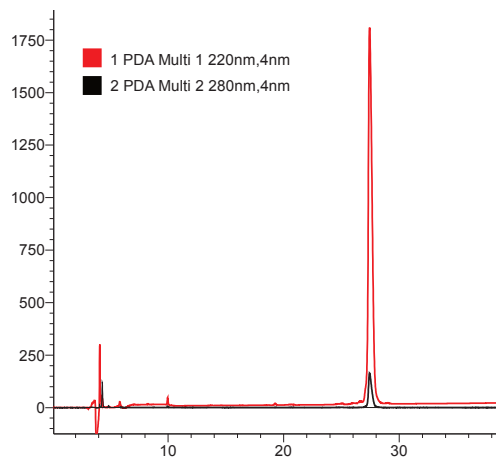
\*\* Avoid repeated freeze-thaw cycles

Additional comments or descriptive information:

\*All recombinant proteins produced and sold by Protein Foundry, LLC are endotoxin-free <0.01 EU/ug of protein and validated using RP-HPLC, 2D-NMR, and functional reporter assay where available.

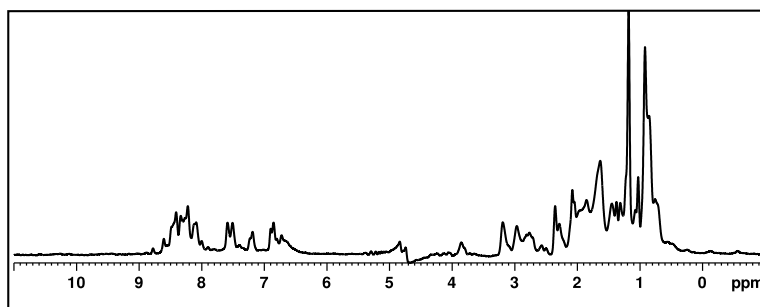
## Protein Purity:

### Reverse Phase HPLC Trace

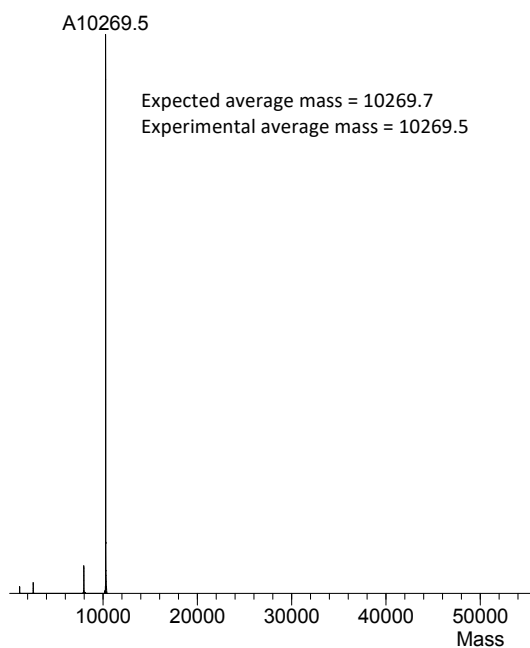


### 1D 1H NMR Spectrum

hXCL1



### Mass Spectrometry



### Functional Assay

