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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet for 009-001-H49-0020

## rHuman Fractalkine (CX3CL1) Protein

### Overview

<b>Description:</b>	Human Fractalkine (CX3CL1) Recombinant Protein - 009-001-H49-0020
<b>Item No.:</b>	009-001-H49-0020
<b>Size:</b>	20 µg
<b>Applications:</b>	Cellular Assay
<b>Origin:</b>	Human
<b>Expressed in:</b>	E. coli

### Product Details

<b>Background:</b>	Fractalkine, also known as CX3CL1, is an atypical chemokine that was the first of a fourth chemokine motif (CX3C). It is thought to function as a T cell and monocyte chemottractant and is produced by non-haemopoietic cells. Fractalkine is made in a soluble and membrane bound form in activated endothelial cells which is thought to promote adhesion of leukocytes. Recombinant human Fractalkine is a non-glycosylated protein, containing 76 amino acids, with a molecular weight of 8.6 kDa.
<b>Synonyms:</b>	C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein
<b>Low Endotoxin:</b>	Yes

### Target Details

<b>Gene Name:</b>	CX3CL1
<b>Purity/Specificity:</b>	Fractalkine (CX3CL1) purity was determined to be greater than 98% as determined by analysis by HPLC, UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P78423</a></li></ul>

## Application Details

<b>Suggested Applications:</b>	Cellular Assay (Based on references)
<b>Application Note:</b>	Fractalkine Recombinant Protein has been tested by biological activity and is suitable as a control for polyclonal or monoclonal anti-Fractalkine in immunological assays.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>Other:</b>	Endotoxin Level: Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein. Biologic Activity: The activity is determined by the dose dependent chemotaxis of human PBMCs and is typically starting between 10-100 ng/mL.

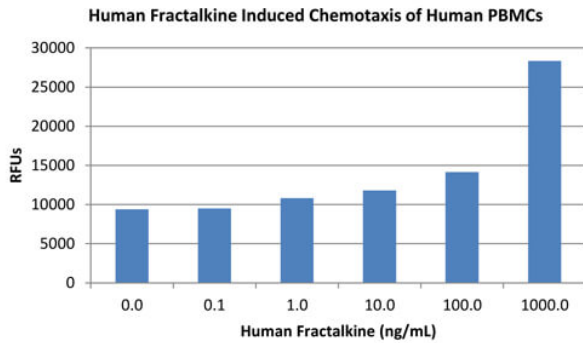
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Buffer:</b>	0.1% Trifluoroacetic acid
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	20 $\mu$ l (20-200 $\mu$ l)
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
<b>Expiration:</b>	Expiration date is six (6) months from date of receipt.

## Images



#### SDS-PAGE

Bioactivity of Human Fractalkine (CX3CL1) Recombinant Protein. Human PBMCs were allowed to migrate to Human Fractalkine at (0, 0.1, 1, 10, 100 and 1000 ng/mL). After 4 hours, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Human Fractalkine detectable starting at between 10-100 ng/mL.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.