Bioactive

CX3CL1 (Human) Recombinant Protein

Catalog # P7500 Size 5 ug

Specification

Product Description	Human CX3CL1 (P78423, 25 a.a. - 339 a.a.) partial recombinant protein expressed in CHO cell.
Sequence	QHHGVTKCNITCSKMTSKIPVALLIHYQQNQASCGKRAIILETRQHRLFCADPKEQWVKDAMQHLD RQAAALTRNGGTFEKQIGEVKPRTTPAAGGMDESVVLEPEATGESSSLEPTPSSQEAQRALGTS PELPTGVTGSSGTRLPPTPKAQDGGPVGTELFRVPPVSTAATWQSSAPHQPGPSLWAEAKTSE APSTQDPSTQASTASSPAPEENAPSEGQRVWGQGQSPRPENSLEREEMGPVPAHTDAFQDW GPGSMAHVSVVPVSSEGTPSREPVASGSWTPKAEEPIHATMDPQRLGVLITPVPDAQAATR
Host	Mammals
Theoretical MW (kDa)	50-75
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method)
Activity	The ED_{50} was determined on Ca^{2+} mobilization assay in CHO-K1/Galpha15/hCX3CR1 cells (human Galpha15 and hCX3CR1 stably expressed in CHO-K1 cells) is < 1.5 ug/mL.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — CX3CL1

Entrez GeneID	6376
Protein Accession#	P78423
Gene Name	CX3CL1
Gene Alias	ABCD-3, C3Xkine, CXC3, CXC3C, NTN, NTT, SCYD1, fractalkine, neurotactin
Gene Description	chemokine (C-X3-C motif) ligand 1
Omim ID	601880
Gene Ontology	Hyperlink
Gene Summary	member 1 (fractalkine
Other Designations	small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin)|small indu cible cytokine subfamily D (Cys-X3-Cys), member-1

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Colorectal Neoplasms
- Coronary Artery Disease
- Diabetes Complications
- Diabetes Mellitus

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- Disease Progression
- Edema
- Genetic Predisposition to Disease
- HIV Infections
- Hypersensitivity
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Psoriasis
- Stroke

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