

CXCL17 Protein, Human, Recombinant (His)

General Information

Synonyms:	Dcip1;UNQ473;DMC;VCC1;chemokine (C-X-C motif) ligand 17;VCC-1
Protein Construction:	A DNA sequence encoding the human CXCL17 (NP_940879.1) (Leu24-Leu119) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Leu 24
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	Q6UXB2
Molecular Weight:	12.7 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Chemokine (C-X-C motif) ligand 17 (CXCL17) is the latest member of the chemokine family. CXCL17 is a potential oncogene and promising therapeutic target, is an independent biomarker of poor prognosis in patients with breast cancer, and can promote proliferation and migration of breast cancer cells in vitro and in vivo. CXCL17 is expressed in a variety of cancers and promotes tumor progression by recruiting myeloid-derived suppressor cells (MDSCs). CXCL17 attenuates IMQ-induced psoriasis-like skin inflammation by recruiting MDSCs and Tregs, which

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may be important for regulating excessive inflammation in psoriasis skin. CXCL17 production correlated with adverse immune infiltration and might be an important target for anti-HCC therapies. CXCL17 is a major regulator of mucosal inflammatory responses.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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