

Product datasheet

Synthetic Human CXCL11 protein (Biotin) ab176030

Description

Product name	Synthetic Human CXCL11 protein (Biotin)	
Expression system	Synthetic	
Accession	O14625	
Protein length	Full length protein	
Animal free	No	
Nature	Synthetic	
Species	Human	
Sequence	FPMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNCDKIEV IITLKENKG QRCLNPKSKQ ARLIIKKVERKNF-Linker-K	
Predicted molecular weight	9 kDa	
Amino acids	22 to 94	
Conjugation	Biotin	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab176030** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC
Form	Lyophilized
Additional notes	Biotin incorporated at indicated position in a molar ratio of biotin:peptide of 1:1. Linker used is 8-amino-3,6-dioxaoctanoic acid.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Lyophilized from water/acetonitrile/TFA to generate the TFA salt form.
Reconstitution	It is recommended vials be centrifuged prior to opening. Water can be used to prepare stock solutions of 20 µmol/L. Stock solutions with up to 30% DMSO/water can also be prepared.

General Info

Function	Chemotactic for interleukin-activated T-cells but not unstimulated T-cells, neutrophils or monocytes. Induces calcium release in activated T-cells. Binds to CXCR3. May play an important role in CNS diseases which involve T-cell recruitment. May play a role in skin immune responses.
Tissue specificity	High levels in peripheral blood leukocytes, pancreas and liver astrocytes. Moderate levels in thymus, spleen and lung. Low levels in placenta, prostate and small intestine. Also found in epidermal basal layer keratinocytes in skin disorders.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Cellular localization	Secreted.

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