

Product datasheet

Synthetic Human IL-8 protein (Biotin) ab176073

Description

Product name	Synthetic Human IL-8 protein (Biotin)	
Expression system	Synthetic	
Accession	P10145	
Protein length	Full length protein	
Animal free	No	
Nature	Synthetic	
Species	Human	
Sequence	AVLPRSAKELRCQCICKTYSKPFHPKFIKELRVIESGPHCAN TEIVKLSLSD GRELCLDPKENW VQRVVEKFLK RAENSK	
Predicted molecular weight	9 kDa	
Amino acids	23 to 99	
Additional sequence information	Mature protein.	
Conjugation	Biotin	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab176073** 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.

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-1. Stock solutions with up to 30% DMSO/water can also be prepared.

General Info

Function	IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.
Cellular localization	Secreted.

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