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CCL15 Protein (AA 50-113) (His tag)



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Overview			
Quantity:	1 mg		
Target:	CCL15		
Protein Characteristics:	AA 50-113		
Origin:	Human		
Source:	Insect Cells		
Protein Type:	Recombinant		
Purification tag / Conjugate:	This CCL15 protein is labelled with His tag.		
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA, Crystallization (Crys)		
Product Details			
Sequence:	AADCCTSYIS QSIPCSLMKS YFETSSECSK PGVIFLTKKG RQVCAKPSGP GVQDCMKKLK PYSI		
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a		
	special request, please contact us.		
Characteristics:	 Made in Germany - from design to production - by highly experienced protein experts. Human CCL15 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. State-of-the-art algorithm used for plasmid design (Gene synthesis). 		
	This protein is a made to order protein and will be made for the first time for your order. Our		
	experts in the lab will ensure that you receive a correctly folded protein.		
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom		
	made proteins from other companies is that there is no financial obligation in case the protein		
	cannot be expressed or purified.		

	In the unlikely event that the protein cannot be expressed or purified we do not charge anything	
	(other companies might charge you for any performed steps in the expression process for	
	custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression	
	experiments or purification optimization).	
	When you order this made-to-order protein you will only pay upon receival of the correctly	
	folded protein. With no financial risk on your end you can rest assured that our experienced	
	protein experts will do everything to make sure that you receive the protein you ordered.	
	The concentration of our recombinant proteins is measured using the absorbance at 280nm.	
	The protein's absorbance will be measured in several dilutions and is measured against its	
	specific reference buffer.	
	The concentration of the protein is calculated using its specific absorption coefficient. We use	
	the Expasy's protparam tool to determine the absorption coefficient of each protein.	
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:	
	1. In a first purification step, the protein is purified from the cleared cell lysate using three	
	different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate	
	fractions are analyzed by SDS-PAGE.	
	Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and	
	Western blot.	
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.	
Sterility:	0.22 µm filtered	
Endotoxin Level:	Protein is endotoxin free.	
Grade:	Crystallography grade	
Target Details		
Target:	CCL15	
Alternative Name:	CCL15 (CCL15 Products)	
Background:	Chemotactic factor that attracts T-cells and monocytes, but not neutrophils, eosinophils, or B-	
	cells. Acts mainly via CC chemokine receptor CCR1. Also binds to CCR3. CCL15(22-92),	
	CCL15(25-92) and CCL15(29-92) are more potent chemoattractants than the small-inducible	
	cytokine A15. {ECO:0000269 PubMed:15905581}.	
Molecular Weight:	7.9 kDa Including tag.	
UniProt:	Q16663	

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

Images

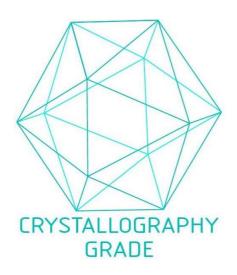


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process