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IL17RC Protein (AA 21-538) (His tag)





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Overview

Quantity:	1 mg
Target:	IL17RC
Protein Characteristics:	AA 21-538
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17RC protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:

LERLVGPQDA THCSPVSLEP WGDEERLRVQ FLAQQSLSLA PVTAATARTA LSGLSGADGR REERGRGKSW VCLSLGGSGN TEPQKKGLSC RLWDSDILCL PGDIVPAPGP VLAPTHLQTE LVLRCQKETD CDLCLRVAVH LAVHGHWEEP EDEEKFGGAA DSGVEEPRNA SLQAQVVLSF QAYPTARCVL LEVQVPAALV QFGQSVGSVV YDCFEAALGS EVRIWSYTQP RYEKELNHTQ QLPDCRGLEV WNSIPSCWAL PWLNVSADGD NVHLVLNVSE EQHFGLSLYW NQVQGPPKPR WHKNLTGPQI ITLNHTDLVP CLCIQVWPLE PDSVRTNICP FREDPRAHQN LWQAARLQLL TLQSWLLDAP CSLPAEAALC WRAPGGDPCQ PLVPPLSWEN VTVDKVLEFP LLKGHPNLCV QVNSSEKLQL QECLWADSLG PLKDDVLLLE TRGPQDNRSL CALEPSGCTS LPSKASTRAA RLGEYLLQDL QSGQCLQLWD DDLGALWACP MDKYIHKR

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 IL17RC 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:

Grade:

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.
- 2. 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.

Crystallography grade

Target Details

Target:	IL17RC
Alternative Name:	IL17RC (IL17RC Products)
Background:	Receptor for IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RA
	(PubMed:16785495). Receptor for the heterodimer formed by IL17A and IL17B as part of a
	heterodimeric complex with IL17RA (PubMed:18684971). Has also been shown to be the
	cognate receptor for IL17F and to bind IL17A with high affinity without the need for IL17RA
	(PubMed:17911633). Activation of IL17RC leads to induction of expression of inflammatory
	chemokines and cytokines such as CXCL1 (PubMed:16785495).
	{ECO:0000269 PubMed:16785495, ECO:0000269 PubMed:17911633,
	ECO:0000269 PubMed:18684971}., Isoform 5: Receptor for both IL17A and IL17F.
	{ECO:0000269 PubMed:16785495}., Isoform 6: Does not bind IL17A or IL17F.
	{ECO:0000269 PubMed:16785495}., Isoform 7: Does not bind IL17A or IL17F.
	{ECO:0000269 PubMed:16785495}., Isoform 8: Receptor for both IL17A and IL17F.
	{ECO:0000269 PubMed:16785495}.
Molecular Weight:	58.2 kDa Including tag.
UniProt:	Q8NAC3
UniProt: Application Details	Q8NAC3
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Handling

Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

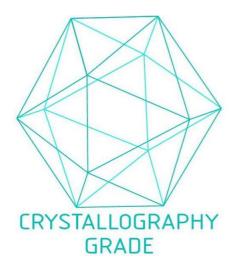


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process