

DATASHEET

Version 20181206

IL-17 RC, His, Mouse

Cat. No.: Z03329-50

Size: 50.0 ug

Synonyms: IL-17 RL

Description:

Interleukin-17 receptor C (IL-17RC), also known as interleukin-17 receptor-like (IL-17RL), forms a heterodimeric complex with IL-17RA to engage IL-17 ligand and promote IL-17 signaling. IL-17RC has 22% sequence homology with IL-17RA and is highly expressed in epithelial cells. IL-17RC can undergo alternative splicing generating several different variants, some of which a function has yet to be defined. High expression of IL-17RC has been detected in prostate cancer cells, however, IL-17 signaling has also been shown to promote anti-tumor activity in certain types of cancer. Due to IL-17's role in inflammation, IL-17RC has been indicated as having a potential role in certain autoimmune disease. Recombinant mouse IL-17RC produced in CHO cells is a polypeptide chain containing 451 amino acids. A fully biologically active molecule, rmIL-17RC has a molecular mass of 58 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

```
00001 LERLMEPQDT ARCSLGLSCH LWDGDLCLP GSLQSAPGPV
00041 LVPTRLQTEL VLRCPQKTDC ALCVRVVVHL AVHGHWAEPE
00081 EAGKSDSELQ ESRNASLQAQ VVLSFQAYPI ARCALLEVQV
00121 PADLVQPGQS VGSADFCE ASLGAEVQIW SYTKPRYQKE
00161 LNLTTQLPDC RGLVDRSIQ SCWVLPWLVN STDGDNVLLT
00201 LDVSEEQDFS FLYLRPVPD ALKSLWYKNL TGPQNITLNH
00241 TDLVPCLCIQ VWSLEPDSEF VEFCEPREDP GAHRNLWHIA
00281 RLRVLSPGVW QLDAPCCPLP KVTLCWQAPD QSPCQPLVPP
00321 VPQKNATVNE PQDFQLVAGH PNLVQVSTW EKVQLQACLW
00361 ADSLGPFKDD MLLVEMKTGL NNTSVCALEP SGCTPLPSMA
00401 STRAARLGE LLDQFRSHQC MQLWNDDNMG SLWACPMCKY
00441 IHRRWHHHHH H
```

Source: CHO

Biological Activity: ED₅₀ < 2 µg/ml, measured in a cell proliferation assay using wt MEF cells.

Molecular Weight: 58 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse Interleukin-17 C Receptor remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse Interleukin-17C Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.