

Overview

Synonyms	IL-17 RL
Description	<p>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.</p> <p>Recombinant mouse IL-17RC produced in CHO cells is a polypeptide chain containing 451 amino acids. A fully biologically active molecule, rIL-17RC has a molecular mass of 58 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p>
Accession No	Q8K4C2-2
Source	CHO
Biological Activity	ED ₅₀ < 2 µg /ml, measured in a cell proliferation assay using wt MEF cells.
Sequence	<pre> LERLMEPQDTARCSLGLSCH LWDGDVLCPLGSLQSAPGPVLPVTRLQTEL VLRCPQKTDCALCVRVVVHLAVHGHWAEP EAGKSDSELQ ESRNASLQAQ VVLSFQAYPI ARCALLEVQV PADLVQPGQS VGSVAVFDCFE ASLGAEVQIW SYTKPRYQKE LNLQQLPDC RGLLEVRSIQSCWVLPWLVN STDGDNVLLT LDVSEEQDFS FLLYLRPVPD ALKSLWYKNLTGPQNITLNLHTDLVPCLCIQ VWSLEPDSER VEFPCPFREDP GAHRNLWHIA RLRVLSPGVW QLDAPCCLPG KVTLCWQAPD QSPCQPLVPP VPQKNATVNE PQDFQLVAGH PNLVCVQVSTW EKVQLQACLW ADSLGPFKDD MLLVEMKTGL NNTSVCALEPSGCTPLPSMASTRAARLGE E LLQDFRSHQCMQLWDDNMG SLWACPMDKY IHRRWHHHHH H </pre>

Properties

Measured Molecular Weight	58 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
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.
Note	For research use only

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