

Recombinant Mouse Il17c Protein, Myc/DDK-tagged

Cat. No. II17c-3500M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length interleukin 17C (Il17c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NFkB and MAPK pathways. Acts synergically with IL22, TNF and IL1B in inducing antibacterial peptides. May have protective function by maintaining epithelial homeostasis after an inflammatory challenge, such as that caused in the intestine by dextran sulfate sodium in a colitis model. May also promote an inflammatory phenotype, such as skin in a psoriasis model. Enhanced IL17C/IL17RE signaling may also lead to greater susceptibility to autoimmune diseases, such as autoimmune encephalitis.</p>
Molecular Mass	22 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Il17c interleukin 17C [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il17c
Synonyms	IL17C; interleukin 17C; IL-17C; MGC175740
Gene ID	234836
mRNA Refseq	NM_145834
Protein Refseq	NP_665833
UniProt ID	Q8K4C5

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