

Recombinant Mouse IL-17 (His, Flag)

Information

Gene ID	16196
Accession #	Q544C8
Alternate Names	IL-17; IL17
Source	HEK293
Protein sequence	ECHIKDKEGKAYESVLMISIDELDKMTGTDSNCPNNEPNFFRKHVCDTKEAAFLNRAARKLKQFLKMNISE EFNVHLLTVSQGTQTLVNCTSKKEKNVKEQKKNDACFLKRLLEIKTCWNKILKGS
Tag	N-His, N-Flag
M.Wt	The protein has a calculated MW of 14.8 KDa.
Appearance	Solution protein.
Stability & Storage	Avoid repeated freeze-thaw cycles. It is recommended that the protein be aliquoted for optimal storage. -2 years from date of receipt, -20 to -70 °C as supplied.
Concentration	1 mg/mL
Formulation	Supplied as a 0.2 µm filtered solution in PBS, pH7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This solution can be diluted into other aqueous buffers.
Biological Activity	Fully biologically active as determined by a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBL). The EC50 for this effect is 0.6 ng/mL.
Shipping Condition	Shipping with dry ice.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Quality Control

Purity	> 95 % by SDS-PAGE.
Endotoxin	Less than 1.0 EU/µg as determined by LAL method.

Description

The interleukin-17 (IL-17) protein, originally described, now known as IL-17A, is a homodimer consisting of two chains containing 132 amino acids each, secreted by activated T cells. It acts on stromal cells to induce the production of pro-inflammatory and hematopoietic bioactive molecules. Mouse IL-17 has 63% amino acid identity with human IL-17, and IL-17A has cross-species biological activity between human and mouse cells.



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