

Recombinant Human FOXP3, MYC/DDK-tagged

Cat. No. FOXP3-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXP3 fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Mass	47.1 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Concentration	>50 ug/mL as determined by microplate BCA method
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from

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receipt of products under proper storage and handling conditions.

OfficialSymbol FOXP3

GENE INFORMATION

Gene Name FOXP3 forkhead box P3 [Homo sapiens]

Synonyms FOXP3; forkhead box P3; JM2; AIID; IPEX; PIDX; XPID; DIETER; forkhead box protein P3; scurfin; FOXP3delta7; immunodeficiency, polyendocrinopathy, enteropathy, X-linked; immune dysregulation, polyendocrinopathy, enteropathy, X-linked

Gene ID 50943

mRNA Refseq NM_014009

Protein Refseq NP_054728

MIM 300292

UniProt ID Q9BZS1

Chromosome Location Xp11.23

Pathway Calcineurin-regulated NFAT-dependent transcription in lymphocytes; IL2 signaling events mediated by STAT5

Function DNA bending activity; NF-kappaB binding; NFAT protein binding; chromatin binding; double-stranded DNA binding

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