

Recombinant Human FOXP3 protein, His-tagged

Cat. No. FOXP3-53H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXP3, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	43.2 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	FOXP3 forkhead box P3 [Homo sapiens]
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Official Symbol	FOXP3
Synonyms	FOXP3; forkhead box P3; immune dysregulation, polyendocrinopathy, enteropathy, X linked , IPEX; forkhead box protein P3; AIID; DIETER; JM2; PIDX; SCURFIN; XPID; scurfin; FOXP3delta7; immunodeficiency, polyendocrinopathy, enteropathy, X-linked; immune dysregulation, polyendocrinopathy, enteropathy, X-linked; IPEX; MGC141961; MGC141963;
Gene ID	50943
mRNA Refseq	NM_001114377
Protein Refseq	NP_001107849
MIM	300292
UniProt ID	Q9BZS1
Chromosome Location	Xp11.23
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; IL2 signaling events mediated by STAT5, organism-specific biosystem;
Function	DNA binding, bending; NF-kappaB binding; NFAT protein binding; chromatin binding; double-stranded DNA binding; histone acetyltransferase binding; histone deacetylase binding; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding