Recombinant Human Forkhead box P3, GST-tagged

Cat. No. FOXP3-51H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXP3 (1 aa. - 431 aa.) protein fused with a ~26kD N-terminal GST tag was expressed.
Species	Human
ProteinLength	1-431 a.a.
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	~26kD
Immunogen	This protein is not active and should not be used for experiments requiring activity.
Uses	Western blot, ELISA. This protein has not been tested for any functionality. This product may contain endotoxins and is not suitable for use with live cells.
Applications	WB; ELISA; PA
Storage	Store at -80°C. Avoid freeze-thaw cycles.
OfficialSymbol	FOXP3

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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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