

Recombinant Human Forkhead box P3, GST-tagged

Cat. No. FOXP3-52H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXP3 (1 a.a. - 431 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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	73.6 kDa
Sequence	MPNPRPGKPSAPSLALGPSPGASPSWRAAPKASDLLGARGPGGTFQGRDLRGG HASSSSLNPMPPSQL QLPTLPLVMVAPSGARLGPLPHLQALLQDRPHFMHQLSTVD AHARTPVLQVHPLESPAMISLTPPTTATGVF SLKARPGLPPIVASLEWVSREPAL LCTFPNPSAPRKDSTLSAVPQSSYP LLANGVCKWPGCEKVFEETPE DFLKHCQADH LLDEKGRAQCLLQREMVQSLEQQLVLEKEKLSAMQAHLGKMAITKASSVASSDKG SCCI VAAGSQGPVVPASWGPPEAPDSLFAVRRHLWGSHGNSTFPEFLHNMDYFKF HNMRPPFTYATLIRWAIL APEKQRTLNEIYHWFTRMFAFFRNHPATWKNAIRHNLSL HKCFVRVESEKGAVWTVDELEFRKKRSQRP SRCSNPTPGP
Purification	Glutathione Sepharose 4 Fast Flow

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Storage buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.
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; scurf; 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

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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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