

Product datasheet for TP509941

Foxp1 (BC064764) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse forkhead box P1 (cDNA clone MGC:76591 IMAGE:30430449), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209941 protein sequence Red =Cloning site Green =Tags(s) MMQESGSETKSNQSAIQNGSSGGNHLLCEGALRDTRSNGEAPAVDLGAADLAHVQQQQQQQQQQQQ QQQQ QQQQQVSGLKSPKRNDKQPALQVPVSVAMMTPQVITPQQMQQILQQQVLSPQQLQVLLQQQQALML QQQL QEFYKKQQEQLQLQLLQQQHAGKQPKEQQVATQQAFQQQLLQMQLLQQHLLSLQRQGLLTIQPG QPAL PLQPLAQGMIPTELQQLWKEVTSHTAEETTSSNHSSDLTSTCVSSSAPSKSSLIMNPASTNGQLSVH TPKRESLSHEEHPHSHPLYGHGVCKWPGCEAVCDFPAFLKHLNSEHALDDRSTAQCRVQMQVVQQL LQ LAKDKERLQAMMTHLHVKSTEPKAAPQPLNLVSSVTLSKSASEASPQLPHTPTTPTAPLTPVTQGPSVI TTSMHTVGPPIRRYSKYNVPISSADIAQNQEFYKNAEVRPPFTYASLRQAILESPEKQLTLNEIYNW FTRMFAYFRRNAATWKNVHRHNLHLKCFVRVENVKGAVWTVDEVEFQKRRPQKISGNPSLIKNNMQSSH A YCTPLNAALQASMAENSIPLYTTASMGNPGLSLASAIREELNGAMEHTNSNESDSSPGRSPMQAVHPIH VKEEPLDPEEAEGPLSLVTTANHSPDFDHDHRYDEPVEDME TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	74.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol


[View online »](#)

Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	108655
UniProt ID:	P58462
RefSeq Size:	2348
Cytogenetics:	6 D3
RefSeq ORF:	2019
Synonyms:	3110052D19Rik; 4932443N09Rik; AI461938; AW494214
Summary:	<p>Transcriptional repressor. Can act with CTBP1 to synergistically repress transcription but CTBP1 is not essential (PubMed:11358962, PubMed:14701752). Plays an important role in the specification and differentiation of lung epithelium. Acts cooperatively with FOXP4 to regulate lung secretory epithelial cell fate and regeneration by restricting the goblet cell lineage program; the function may involve regulation of AGR2 (PubMed:11358962, PubMed:22675208). Essential transcriptional regulator of B-cell development (PubMed:16819554). Involved in regulation of cardiac muscle cell proliferation (PubMed:20713518). Involved in the columnar organization of spinal motor neurons. Promotes the formation of the lateral motor neuron column (LMC) and the preganglionic motor column (PGC) and is required for respective appropriate motor axon projections. The segment-appropriate generation of spinal chord motor columns requires cooperation with other Hox proteins (PubMed:18667151, PubMed:18662545). Can regulate PITX3 promoter activity; may promote midbrain identity in embryonic stem cell-derived dopamine neurons by regulating PITX3 (PubMed:20175877). Negatively regulates the differentiation of T follicular helper cells T(FH)s (PubMed:24859450). Involved in maintenance of hair follicle stem cell quiescence; the function probably involves regulation of FGF18 (PubMed:23946441). Represses transcription of various pro-apoptotic genes and cooperates with NF-kappa B-signaling in promoting B-cell expansion by inhibition of caspase-dependent apoptosis. Binds to CSF1R promoter elements and is involved in regulation of monocyte differentiation and macrophage functions; repression of CSF1R in monocytes seems to involve NCOR2 as corepressor. Involved in endothelial cell proliferation, tube formation and migration indicative for a role in angiogenesis; the role in neovascularization seems to implicate suppression of SEMA5B. Can negatively regulate androgen receptor signaling (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>