

Recombinant Human Forkhead box protein P1(FOXP1),partial

Catalog No: #AP70313

Package Size: #AP70313-1 20ug #AP70313-2 100ug #AP70313-3 1mg

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Description

Product Name	Recombinant Human Forkhead box protein P1(FOXP1),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-114aaSequence Info:Partial
Other Names	Mac-1-regulated forkhead1
Accession No.	Q9H334
Calculated MW	39.2 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MMQESGTETKSNGSAIQNGSGGSNHLLECGGLREGRSNGETPAVDIGAADLAHAQQQQQQALQVARQLLLQ QQQQQQVSGLSPKRNDKQPALQVPVSVAMMTPQVITPQQMQQ
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Transcriptional repressor . Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential . 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. Essential transcriptional regulator of B-cell development. Involved in regulation of cardiac muscle cell proliferation. 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. Can regulate PITX3 promoter activity; may promote midbrain identity in bryonic st cell-derived dopamine neurons by regulating PITX3. Negatively regulates the differentiation of T follicular helper cells T(FH)s. Involved in maintainance of hair follicle st cell quiescence; the function probably involves regulation of FGF18 . 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 elents and is involved in regulation of monocyte differentiation and macrophage functions; repression of CSF1R in monocytes ses to involve NCOR2 as corepressor . Involved in endothelial cell proliferation, tube formation and migration indicative for a role in angiogenesis; the role in neovascularization ses to implicate suppression of SA5B . Can negatively regulate androgen receptor signaling .

References

The FOXP1 winged helix transcription factor is a novel candidate tumor suppressor gene on chromosome 3p.Banham A.H., Beasley N., Campo E., Fernandez P.L., Fidler C., Gatter K., Jones M., Mason D.Y., Prime J.E., Trougouboff P., Wood K., Cordell J.L.Cancer Res. 61:8820-8829(2001)Research Topic:Transcription

Note: This product is for in vitro research use only and is not intended for use in humans or animals.