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Datasheet for ABIN5709535

FOXP1 Protein (AA 1-114, partial) (GST tag)

1 Image

Overview

Quantity:	100 µg
Target:	FOXP1
Protein Characteristics:	partial, AA 1-114
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXP1 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MMQESGTETK SNGSAIQNGS GGSNHLLECG GLREGRSNGE TPAVDIGAAD LAHAQQQQQQ WHLINHQP SR SPSSWLKRLI SSPWELEVLQ VPLWGAVAET KMSGPVCQPN PSPF
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	FOXP1
Alternative Name:	FOXP1 (FOXP1 Products)
Background:	Transcriptional repressor . Can act with CTBP1 to synergistically repress transcription but CTBP1 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

Target Details

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 stem cell-derived dopamine neurons by regulating PITX3. Negatively regulates the differentiation of T follicular helper cells T(FH)s. Involved in maintenance of hair follicle stem 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 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 SA5B. Can negatively regulate androgen receptor signaling.

Molecular Weight: 39.6 kDa

UniProt: [Q9H334](#)

Pathways: [Chromatin Binding](#), [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

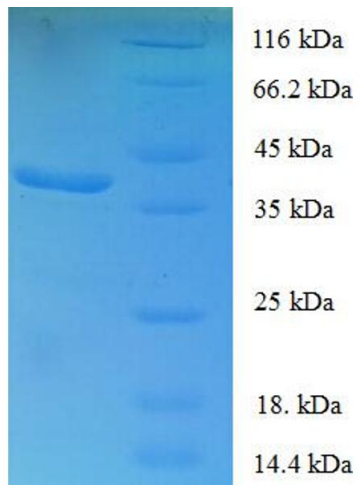
Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing

Handling

is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.