

Forkhead Box Protein P1 Recombinant Protein | FOXP1 recombinant protein

Recombinant Forkhead Box Protein P1 (FOXP1)

CATALOG # AAA144139	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Forkhead Box Protein P1; Recombinant Forkhead Box Protein P1 (FOXP1); FOXP1 recombinant protein

PRODUCT SPECIFICATIONS

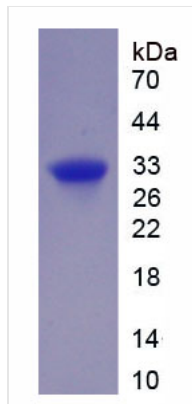
Host	E.coli
Purity/Purification	> 95%
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag. Its sequence is listed below. MGSSHHHH HHSSGLVPRG SHMASMTGGQ QMGRGS-NAE VRPPFTYASL IRQAILESPE KQLTLNEIYN WFRMFAYFR RNAATWKNV RHNLHLKCF VRVENVKGAV WTVDEVEFQK RRPQKISGNP SLIKNMQSSH AYCTPLNAAL QASMAENSIP LYTTASMGNP TLGNLASAIR EELNGAMEHT NSNESDSSPG RSPMQAVHPV HVKEEPLDPE EAEGPLSLVT TANHSPDFDH DRDYEDEP
Sequence Length	705
Applicable Applications for FOXP1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Asn461~Pro671
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Predicted isoelectric point	6.3
Predicted Molecular Mass	27.3kDa
Accurate Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affect the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Preparation and Storage

Storage: Avoid repeated freeze/thaw cycles.
Store at 2-8°C for one month.
Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	16716509
NCBI GeneID	108655
NCBI Accession #	NP_444432.1
NCBI GenBank Nucleotide #	NM_053202.2
NCBI Official Full Name	forkhead box protein P1 isoform 1
NCBI Official Synonym Full Names	forkhead box P1
NCBI Official Symbol	Foxp1
NCBI Official Synonym Symbols	AI461938; AW494214; 3110052D19Rik; 4932443N09Rik
NCBI Protein Information	forkhead box protein P1
UniProt Protein Name	Forkhead box protein P1
UniProt Gene Name	Foxp1
UniProt Entry Name	FOXP1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/foxp1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144139>