

Recombinant Human FOXP1, His-tagged

Cat. No. FOXP1-28111TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 80-427 of Human FOXP1 with N terminal His tag; Predicted MWt 40 kDa.
Species	Human
Source	E.coli
ProteinLength	80-427 a.a.
Description	This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 162 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	<p>GLKSPKRNDKQPALQVPVSVAMMTPQVITPQQMQQILQQQ VLSPQQQLQVLLQQQQ</p> <p>ALMLQQQQQLQEFYKKQQEQLQLQ LLQQQHAGKQPKEQQQVATQQQLAFQQQLLQ</p> <p>MQQLQQQH LLSLQRQGLLTIQPGQPALPLQPLAQGMIPTELQQLWK EVTSAHTAE</p> <p>ETTGNHSSLDLTTTCVSSSAPSKTSLIMNP HASTNGQLSVHTPKRESLSHEEHPH</p> <p>SHPLYGHGVCKWP GCEAVCEDFQSFLKHLNSEHALDDRSTAQCRVQMQRVQ QL</p> <p>ELQLAKDKERLQAMMTHLHVKSTEPKAAPQPLNLVS SVTLSKSASEASPQSLPHTP</p> <p>TTPTAPLTPVTQGPSVITTT</p>
Sequence Similarities	Contains 1 C2H2-type zinc finger.Contains 1 fork-head DNA-binding domain.

GENE INFORMATION

Gene Name	FOXP1 forkhead box P1 [Homo sapiens]
Official Symbol	FOXP1
Synonyms	FOXP1; forkhead box P1; forkhead box protein P1; 12CC4; fork head related protein like B; glutamine rich factor 1; hFKH1B; HSPC215; PAX5/FOXP1 fusion protein; QRF1;
Gene ID	27086
mRNA Refseq	NM_001012505
Protein Refseq	NP_001012523
MIM	605515

Uniprot ID	Q9H334
Chromosome Location	3p14.1
Function	DNA bending activity; chromatin binding; double-stranded DNA binding; metal ion binding; protein heterodimerization activity;

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