

Recombinant Human FOXG1, His-tagged

Cat. No. FOXG1-12974H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXG1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300a
Description	This locus encodes a member of the forked-head transcription factor family. The encoded protein, which functions as a repressor, may play a role in brain development. Mutations at this locus have been associated with Rett syndrome.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	FOXG1 forkhead box G1 [Homo sapiens]
Official Symbol	FOXG1

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Synonyms	FOXG1; forkhead box G1; FKH2, FKHL1, FKHL2, FKHL3, FKHL4, forkhead box G1A , forkhead box G1B , forkhead box G1C , FOXG1A, FOXG1B, FOXG1C; forkhead box protein G1; BF1; HBF 3; HFK1; HFK2; HFK3; QIN; oncogene QIN; brain factor 1; brain factor 2; forkhead-like 1; forkhead-like 2; forkhead-like 3; forkhead-like 4; BF2; FKH2; HBF2; KHL2; FHKL3; FKHL1; FKHL2; FKHL3; FKHL4; HBF-1; HBF-2; HBF-3; FOXG1A; FOXG1B; FOXG1C; HBF-G2;
Gene ID	2290
mRNA Refseq	NM_005249
Protein Refseq	NP_005240
MIM	164874
UniProt ID	P55316
Chromosome Location	14q11-q13
Pathway	Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	DNA binding; DNA binding, bending; double-stranded DNA binding; protein binding; sequence-specific DNA binding; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding;