Recombinant Full Length Human FOXP2 Protein, GST-tagged

Cat. No. FOXP2-5106HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FOXP2 full-length ORF (AAH18016.1, 1 a.a. - 67 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	67 amino acids
Description	This gene encodes an evolutionarily conserved transcription factor expressed in fetal and adult brain. This transcription factor is a member of the forkhead/winged-helix (FOX) family of transcription factors, and contains a FOX DNA-binding domain and a large polyglutamine tract. Members of the FOX family of transcription factors are regulators of embryogenesis. The product of this gene is thought to be required for proper development of speech and language regions of the brain during embryogenesis. Although a point mutation in this gene has been associated with the KE pedigree segregating developmental verbal dyspraxia, no association between mutations in this gene and another speech disorder, autism, has been found. Multiple alternative transcripts encoding different isoforms have been identified. [provided by RefSeq
Molecular Mass	33.6 kDa
AA Sequence	MMQESATETISNSSMNQNGMSTLSSQLDAGSRDGRSSGDTSSEVSTVELLHLQQQ QEDVVSYTQVIC

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FOXP2 forkhead box P2 [Homo sapiens]
Official Symbol	FOXP2
Synonyms	FOXP2; forkhead box P2; SPCH1, TNRC10; forkhead box protein P2; CAG repeat protein 44; CAGH44; forkhead/winged helix transcription factor; speech and language disorder 1; trinucleotide repeat containing 10; forkhead/winged-helix transcription factor; trinucleotide repeat-containing gene 10 protein; SPCH1; TNRC10; DKFZp686H1726;
Gene ID	93986
mRNA Refseq	NM_001172766
Protein Refseq	NP_001166237
MIM	605317

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UniProt ID	O15409

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