

Recombinant Human FOXP2 Protein, GST-tagged

Cat. No. FOXP2-4473H 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	Wheat Germ
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	MMQESATETISNSSMNQNGMSTLSSQLDAGSRDGRSSGDTSSSEVSTVELLHLQQQ QEDVVSYTQVIC
Applications	Enzyme-linked Immunoabsorbent Assay

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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](#)

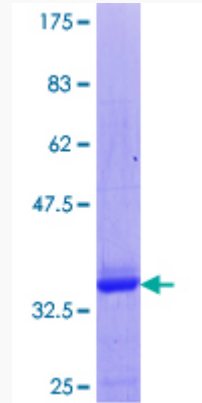
UniProt ID [O15409](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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