Recombinant Human FOXP2 Protein, MYC/DDK-tagged

Cat. No. FOXP2-2558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXP2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of the forkhead/winged-helix (FOX) family of transcription factors. It is expressed in fetal and adult brain as well as in several other organs such as the lung and gut. The protein product contains a FOX DNA-binding domain and a large polyglutamine tract and is an evolutionarily conserved transcription factor, which may bind directly to approximately 300 to 400 gene promoters in the human genome to regulate the expression of a variety of genes. This gene is required for proper development of speech and language regions of the brain during embryogenesis, and may be involved in a variety of biological pathways and cascades that may ultimately influence language development. Mutations in this gene cause speech-language disorder 1 (SPCH1), also known as autosomal dominant speech and language disorder with orofacial dyspraxia. Multiple alternative transcripts encoding different isoforms have been identified in this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	79.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	FOXP2 forkhead box P2 [Homo sapiens]
Official Symbol	FOXP2
Synonyms	CAGH44; SPCH1; TNRC10
Gene ID	93986
mRNA Refseq	NM_001172766
Protein Refseq	NP_001166237
MIM	605317
UniProt ID	O15409

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