

## Product datasheet for TP315021M

### FOXP2 (NM\_014491) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human forkhead box P2 (FOXP2), transcript variant 1, 100 µg

**Species:** Human

**Expression:** HEK293T

**Host:**

**Expression:** >RC215021 representing NM\_014491

**cDNA Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MMQESATETISNSSMNQNGMSTLSSQLDAGSRDGRSSGDTSSSEVSTVELLHLQQQQALQAARQLLLQQQT  
SGLKSPKSSDKQRPLQVPVSVAMMTPQVITPQQMQQILQQQLSPQQQLALLQQQAVMLQQQLQEFYK  
KQQEQLHLQLLQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQHPGKQAKEQQQQQQQQQQ  
AAQQLVFQQQLLQMQLQQQQHLLSLQRQGLISIPPGQAALPVQSLPQAGLSPAELQLWKEVTGVHSME  
DNGIKHGGLDLTTNNSSTSSNTSKASPPITHHSIVNGQSSVLSARRDSSSHEETGASHTLYGHGVCKW  
PGCESICEDFGQFLKHLNNEHALDDRSTAQCRVQMQVVQQLEIQLSKERERLQAMMTHLHMRPSEPKPSP  
KPLNLVSSVTMSKNMLETSPQSLPQTPTTPTAPVTPITQGPSVITPASVPNVGAIRRRHSDKYNIPMSSE  
IAPNYEFYKNADVRPPFTYATLIRQAIMESSDRQLTLNEIYSWFRTRTFAYFRRNAATWKNAVRHNLSLHK  
CFVRVENVKGAVWTVDEVEYQKRRSQKITGSPTLVKNIPTSLGYGAALNASLQAALAESSPLLSNPGLI  
NNASSGLLQAVHEDLNGSLDHIDSNGNSSPGCSPQPHIHSIHVKEEPVIAEDEDPCMSLVTTANHSPELE  
DDREIEEPLSEDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 79.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

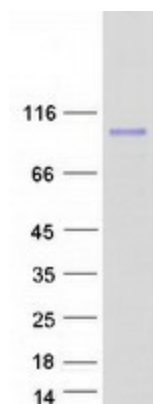
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055306</a>
<b>Locus ID:</b>	93986
<b>UniProt ID:</b>	<a href="#">O15409</a>
<b>RefSeq Size:</b>	6373
<b>Cytogenetics:</b>	7q31.1
<b>RefSeq ORF:</b>	2145
<b>Synonyms:</b>	CAGH44; SPCH1; TNRC10
<b>Summary:</b>	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.[provided by RefSeq, Feb 2010]
<b>Protein Families:</b>	Transcription Factors

### Product images:



Coomassie blue staining of purified FOXP2 protein (Cat# [TP315021]). The protein was produced from HEK293T cells transfected with FOXP2 cDNA clone (Cat# [RC215021]) using MegaTran 2.0 (Cat# [TT210002]).