

Product datasheet for TP315021

FOXP2 (NM_014491) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human forkhead box P2 (FOXP2), transcript variant 1, 20 µg

Species: Human

Expression: HEK293T

Host:

Expression: >RC215021 representing NM_014491

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

MMQESATETISNSSMNQNGMSTLSSQLDAGSRDGRSSGDTSSSEVSTVELLHLQQQALQAARQLLLQQQT
SGLKSPKSSDKQRPLQVPVSVAMMTPQVITPQQMQQILQQQLSPQQQLALLQQQAVMLQQQLQEFYK
KQQEQLHLQLLQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQHPGKQAKEQQQQQQQQQQ
AAQQLVFQQQLLQMQLQQQQHLLSLQRQGLISIPPGQAALPVQSLPQAGLSPAELQLWKEVTGVHSME
DNGIKHGGLDLTTNNSSTSSNTSKASPPITHHSIVNGQSSVLSARRDSSSHEETGASHTLYGHGVCKW
PGCESICEDFGQFLKHLNNEHALDDRSTAQCRVQMQVVQQLLEIQLSKERERLQAMMTHLMRPSEPKPSP
KPLNLVSSVTMSKNMLETSPQSLPQTPTTPTAPVTPITQGPSVITPASVPNVGAIRRRHSDKYNIPMSSE
IAPNYEFYKNADVRRPPTYATLIRQAIMESSDRQLTLNEIYSWFRTRTFAYFRRNAATWKNAVRHNLSLHK
CFVRVENVKGAVWTVDEVEYQKRRSQKITGSPTLVKNIPTSLGYGAALNASLQAALAESSPLLSNPGLI
NNASSGLLQAVHEDLNGSLDHIDSNNGSSPGCSPQPHIHSIHVKEEPVIAEDEDPCMSLVTTANHSPELE
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.

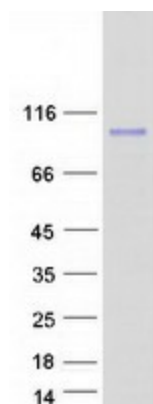
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055306
Locus ID:	93986
UniProt ID:	O15409
RefSeq Size:	6373
Cytogenetics:	7q31.1
RefSeq ORF:	2145
Synonyms:	CAGH44; SPCH1; TNRC10
Summary:	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]
Protein Families:	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]).