



Recombinant Human Forkhead box protein P2 (FOXP2)

Product Code	CSB-EP008842HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15409
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MMQESATETI SNSSMNQNGM STLSSQLDAG SRDGRSSGDT SSEVSTVELL HLQQQQALQA ARQLLQQQT SGLKSPKSSD KQRPLQVPVS VAMMTPQVIT PQQMQQILQQ QVLSPQQLQA LLQQQQAVML QQQQLQEFYK KQQEQLHLQL LQQQQQQQQQ QQQQQQQQQQ QQQQQQQQQQ QQQQQQQQQQ QHPGKQAKEQ QQQQQQQQQQL AAQQLVFQQQ LLQMQLLQQQ QHLLSLQRQG LISIPPGQAA LPVQSLPQAG LSPAEIQLW KEVTGVHSME DNGIKHGGLD LTTNNSSTT SSNTSKASPP ITHHSIVNGQ SSVLSARRDS SSHEETGASH TLYGHGVCKW PGCESICEDF GQFLKHLNNE HALDDRSTAQ CRVQMQVVQQ LEIQLSKERE RLQAMMTHLH MRPSEPKPSP KPLNLVSSVT MSKNMLETSP QSLPQTPTTP TAPVTPITQG PSVITPASVP NVGAIRRRHS DKYNIPMSSE IAPNYEFYKN ADVRPPFTYA TLIRQAIMES SDRQLTLNEI YSWFTRTFAY FRRNAATWKN AVRHNLSLHK CFVRVENVKG AVWTVDEVEY QKRRSQKITG SPTLVKNIPT SLGYGAALNA SLQAALAESS LPLLSNPGLI NNASSGLLQA VHEDLNGSLD HIDSNGNSSP GCSPQPHIHS IHVKEEPVIA EDEDCPMSLV TTANHSPELE DDREIEEEPL SEDLE
Source	E.coli
Target Names	FOXP2
Protein Names	Recommended name: Forkhead box protein P2 Alternative name(s): CAG repeat protein 44 Trinucleotide repeat-containing gene 10 protein
Expression Region	1-715
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.