



Recombinant Human Oligodendrocyte transcription factor 2 (OLIG2)

Product Code	CSB-YP623814HU
Abbreviation	OLIG2
Storage	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.
Uniprot No.	Q13516
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDSASLVSS RPSSPEPDDL FLPARSKGSS GSAFTGGTVS SSTPSDCPPE LSAELRGAMG SAGAHPGDKL GGSGFKSSSS STSSSTSSAA ASSTKKDKKQ MTEPELQQLR LKINSRERKR MHDLNIAMDG LREVMPYAHG PSVRKLSKIA TLLLARNYIL MLTNSLEEMK RLVSEIYGGH HAGFHPSACG GLAHSAPLPA ATAHPAAAAH AAHHPAVHHP ILPPAAAAA AAAAAAVSS ASLPGSGLPS VGSIRPPHGL LKSPSAAAA PLGGGGGGSG ASGGFQHWGG MPCPCSMCQV PPPHHVSAM GAGSLPRLTS DAK
Source	Yeast
Target Names	OLIG2
Protein Names	Recommended name: Oligodendrocyte transcription factor 2 Short name= Oligo2 Alternative name(s): Class B basic helix-loop-helix protein 1 Short name= bHLHb1 Class E basic helix-loop-helix protein 19 Short name= bHLHe19
Expression Region	1-323
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 a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome.
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

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