



# Recombinant Human Oligodendrocyte transcription factor 2 (OLIG2)

<b>Product Code</b>	CSB-EP623814HU-B
<b>Abbreviation</b>	OLIG2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q13516
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDSDASLVSS RPSSPEPDDL FLPARSKGSS GSAFTGGTVS SSTPSPDCPPE 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 PPPHHHSAM GAGSLPRLTS DAK
<b>Source</b>	E.coli
<b>Target Names</b>	OLIG2
<b>Protein Names</b>	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
<b>Expression Region</b>	1-323
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.