Recombinant Human OLIG2, GST-tagged

Cat. No. OLIG2-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OLIG2 was expressed as gst-tagged fusion protein by E.Coli and puri?ed by GSH-sepharose.
Species	Human
Source	E.coli
Description	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.
Storage	The protein is stored in PBS bu?er at -20 oC. Reepeated freeze-thaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	OLIG2 oligodendrocyte lineage transcription factor 2 [Homo sapiens]
Official Symbol	OLIG2

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Synonyms	OLIG2; oligodendrocyte lineage transcription factor 2; oligodendrocyte transcription factor 2; protein kinase C-binding protein 2; class B basic helix-loop-helix protein 1; class E basic helix-loop-helix protein 19; human protein kinase C-binding protein RACK17; basic domain, helix-loop-helix protein, class B, 1; oligodendrocyte-specific bHLH transcription factor 2; BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19
Gene ID	10215
mRNA Refseq	NM_005806
Protein Refseq	NP_005797
MIM	606386
UniProt ID	Q13516
Chromosome Location	21q22.11
Pathway	Neural Crest Differentiation
Function	DNA binding; HMG box domain binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; protein homodimerization activity

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