

## Recombinant Human OLIG2 cell lysate

Cat. No. OLIG2-1248HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</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>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	OLIG2 oligodendrocyte lineage transcription factor 2 [ Homo sapiens ]
<b>Official Symbol</b>	OLIG2
<b>Synonyms</b>	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

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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

**Function** DNA binding; HMG box domain binding; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;

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