

Recombinant Human OLIG2 cell lysate

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

SPECIFICATION

Product Overview

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

GENE INFORMATION

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

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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

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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