

Recombinant Human OLIG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OLIG2-3842H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OLIG2 MS Standard C13 and N15-labeled recombinant protein (NP_005797) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	32.2 kDa
AA Sequence	MDSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSCPPELSAELR GAMGSAGAHPGDKLGGSGFKXSSSSTSSSTSSAAASSTKKDKKQMTEPELQQLRL KINSRERKRMHDLNIAMDGLREVMPYAHGPSVRKLSKIATLLARNYILMLTNSLEEM KRLVSEIYGGHHAGFHPSACGGLAHSAPLPAATAHPAAAAHAAHHPAVHHHPILPPAA AAAAAAAAAAVSSASLPGSGLPSVGSIRPPHGLLKSPSAAAAAPLGGGGGGSGAS GGFQHWGGMPCPCSMCQVPPPHHHVSAMGAGSLPRLTSDAKTRTRPLEQKLISEE DLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	OLIG2 oligodendrocyte lineage transcription factor 2 [Homo sapiens (human)]
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; 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

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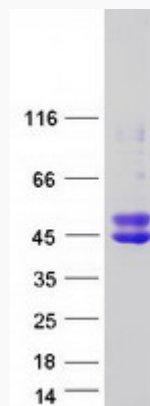
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UniProt ID

Q13516

SDS-PAGE

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