

## Product datasheet for PH308209

### OLIG2 (NM\_005806) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	OLIG2 MS Standard C13 and N15-labeled recombinant protein (NP_005797)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208209
Predicted MW:	32.2 kDa
Protein Sequence:	>RC208209 representing NM_005806 Red=Cloning site Green=Tags(s)  MDSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSPDCPPELSAELRGAMGSAGAHPGDKL GGSGFKXSSSSTSSSAAASSTKDKKQMTPELQQLRLKINSRERKRMHDLNIAAMDGLREVMPYAHG PSVRKLSKIATLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSAPLPAATAHPAAAAH AAHHPAVHHPILPPAAAAAAAAAAAAAVSSASLPGSGLPSVGSIRPPHGLLKSPSAAAAAPLGGGGGSG ASGGFQHWGGMPCPCSMCQVPPPHHVSAMGAGSLPRLTSDAK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_005797</a></u>
RefSeq Size:	2505
RefSeq ORF:	969
Synonyms:	BHLHB1; bHLHe19; OLIGO2; PRKCBP2; RACK17
Locus ID:	10215



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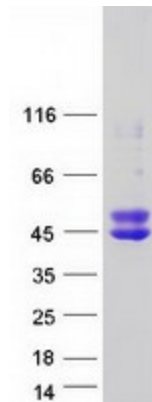
UniProt ID: [Q13516](#)

Cytogenetics: 21q22.11

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified OLIG2 protein (Cat# [TP308209]). The protein was produced from HEK293T cells transfected with OLIG2 cDNA clone (Cat# [RC208209]) using MegaTran 2.0 (Cat# [TT210002]).