

Product datasheet for **TP308209L**

OLIG2 (NM_005806) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human oligodendrocyte lineage transcription factor 2 (OLIG2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC208209 Blue=ORF Red=Cloning site Green=Tag(s)

MDSDASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSPDCPELSAELRGAMGSAGAHPGDK
LGGSGFKSSSSTSSSTSSAAAASSTKKDKKQMTPELQQLRLKINSRERKRMHDLNIAMDGLREVMPYA
HGPSVRKLSKIATLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSAPLPAATAHPAA
AAHAAHHPAVHHPILPPAAAAAAAAAAAAVSSASLPGSGLPSVGSIRPPHGLLKSPSAAAAAPLGGGG
GGSGASGGFQHWGGMPCPCSMCQVPPPHHHVSAMGAGSLPRLTSDAK
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC208209 also available, [TP308209](#)

Tag:	C-Myc/DDK
Predicted MW:	32.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005797
Locus ID:	10215



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UniProt ID: [Q13516](#)

RefSeq Size: 2505

Cytogenetics: 21q22.11

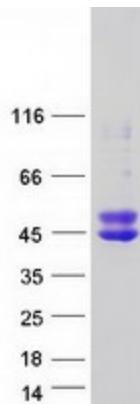
RefSeq ORF: 969

Synonyms: BHLHB1; bHLHe19; OLIGO2; PRKCBP2; RACK17

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]).