

## Product datasheet for TP504703

### Olig2 (NM\_016967) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse oligodendrocyte transcription factor 2 (Olig2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204703 representing NM_016967 Red=Cloning site Green=Tags(s)

MDSASLVSSRPSSPEPDDLFLPARSKGGSSSGFTGGTVSSSTPSPDCPELSELRGAMGASGAHPGDKL  
GGGGFKSSSSSTSSSTSSAATSSSTKKDKKQMTEPELQQLRLKINSRERKRMHDLNIAMDGLREVMPYAHG  
PSVRKLSKIATLLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSAPLPTATAHPAAAAH  
AAHHPAVHHPIPPAAAAAAAAAAAAAAAAAVSSASLPGSGLSSVGSIRPPHGLLKSPSAAAAAPLGGGGGGSG  
GSGGFQHWGGMPCPCSMCQVPPPHHHVSAMGAGTLPRLTSDAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	32.9 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
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 after receiving vials.
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:	<a href="#">NP_058663</a>
Locus ID:	50913
UniProt ID:	<a href="#">Q9EQW6</a> , <a href="#">Q542S0</a>



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RefSeq Size:	2462
Cytogenetics:	16 52.6 cM
RefSeq ORF:	969
Synonyms:	AI604895; Bhlhb1; bHLHe19; Olg-2; Oligo2; RK17
Summary:	Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain (PubMed:11955448, PubMed:12121626, PubMed:16908628). Functions together with ZNF488 to promote oligodendrocyte differentiation (PubMed:16908628). Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube (PubMed:11955448, PubMed:12121626). Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development (PubMed:11955448, PubMed:12121626).[UniProtKB/Swiss-Prot Function]