

Recombinant Mouse Olig2 Protein, Myc/DDK-tagged

Cat. No. Olig2-4590M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length oligodendrocyte transcription factor 2 (Olig2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Functions together with ZNF488 to promote oligodendrocyte differentiation. Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development.
Molecular Mass	32.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Olig2 oligodendrocyte transcription factor 2 [Mus musculus (house mouse)]
Official Symbol	Olig2
Synonyms	OLIG2; oligodendrocyte transcription factor 2; RK17; Olg-2; Bhlhb1; Oligo2; bHLHe19; AI604895
Gene ID	50913
mRNA Refseq	NM_016967
Protein Refseq	NP_058663
UniProt ID	Q9EQW6

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