

Datasheet for ABIN7561415
OLIG2 Protein (AA 1-323) (His tag)



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Overview

Quantity:	1 mg
Target:	OLIG2
Protein Characteristics:	AA 1-323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OLIG2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Olig2 Protein expressed in mammalien cells.
Sequence:	MDSASLVSS RPSSPEPDDL FLPARSKGGS SSGFTGGTVS SSTPSDCPPE LSSELRGAMG ASGAHPGDKL GGGGFKSSSS STSSSTSSAA TSSTKKDKKQ MTEPELQQLR LKINSRERKR MHDLNIAMDG LREVMPYAHG PSVRKLSKIA TLLLARNYIL MLTNSLEEMK RLVSEIYGGH HAGFHPSACG GLAHSAPLPT ATAHPAAAAH AAHHPAVHHP ILPPAAAAAA AAAAAAVSS ASLPGSGLSS VGSIRPPHGL LKSPSAAAAA PLGGGGGGSG GSGGFQHWGG MPCPCSMCQV PPPHHHVSAM GAGTLPR LTS DAK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	OLIG2
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Alternative Name:	Olig2 (OLIG2 Products)
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Background:	Oligodendrocyte transcription factor 2 (Oligo2),FUNCTION: 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). {ECO:0000269 PubMed:11955448, ECO:0000269 PubMed:12121626, ECO:0000269 PubMed:16908628}.
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Molecular Weight:	32.4 kDa
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UniProt:	Q9EQW6
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months