

## Recombinant Human OLIG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** OLIG1-779H    **Lot. No.** (See product label)

### SPECIFICATION

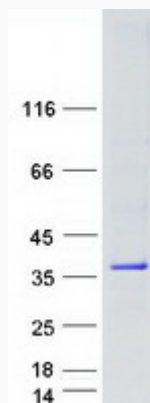
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| <b>Product Overview</b> | OLIG1 MS Standard C13 and N15-labeled recombinant protein (NP_620450) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Promotes formation and maturation of oligodendrocytes, especially within the brain. Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube.                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 27.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | <p>           MYAVSQARVNAVPGTMLRPQRPGLQLGASLYELVGYRQPPSSSSSSSTSSTSST<br/>           SSSSTTAPLLPKAAREKPEAPAEPPGPGPGSGAHPGGSARPDAAKEEQQQQLRRKIN<br/>           SRERKRMQDLNLAMDALREVILPYSAHCQGAPGRKLSKIATLLLARNYILLGSSLQ<br/>           ELRRALGEGAGPAAPRLLLAGLPLLAAPGSVLLAPGAVGPPDALRPAKYLSLALDE<br/>           PPCGQFALPGGGAGGPGGLCTCAVCKFPHLVPASLGAAVQAQFSKTRTRPLEQKLI<br/>           SEEDLAANDILDYKDDDDKV         </p> |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                             |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | OLIG1 oligodendrocyte transcription factor 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | OLIG1                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | OLIG1; oligodendrocyte transcription factor 1; basic domain; helix loop helix protein; class B; 6; BHLHB6; bHLHe21; oligodendrocyte lineage transcription factor 1; oligodendrocyte specific bHLH transcription factor 1; oligo1; class B basic helix-loop-helix protein 6; class E basic helix-loop-helix protein 21; basic domain, helix-loop-helix protein, class B, 6; oligodendrocyte-specific bHLH transcription factor 1; BHLHE21; |
| <b>Gene ID</b>          | 116448                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_138983                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_620450                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 606385                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | Q8TAK6                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**SDS-PAGE**

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