

## Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) Recombinant Protein | OLIG2 recombinant protein

Recombinant Oligodendrocyte Lineage Transcription Factor 2 (OLIG2)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA153542</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

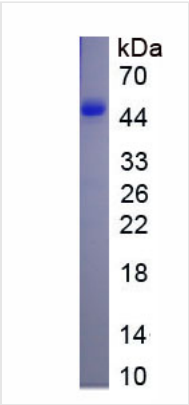
Oligodendrocyte Lineage Transcription Factor 2 (OLIG2); Recombinant Oligodendrocyte Lineage Transcription Factor 2 (OLIG2); Oligodendrocyte Lineage Transcription Factor 2; OLIG2 recombinant protein (prokaryotic); Human; BHLHB1; OLIGO2; PRKCBP2; RACK17; Basic Domain; Helix-Loop-Helix Protein; Class B 1; Class B basic helix-loop-helix protein 1; Class E basic helix-loop-helix protein 19; OLIG2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                              |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                                  | E coli                                                                                                       |
| Purity/Purification                                   | Greater than 95% by SDS-PAGE                                                                                 |
| Form/Format                                           | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.<br>Freeze-dried powder                                       |
| Sequence Positions                                    | Met1-Lys323                                                                                                  |
| Applicable Applications for OLIG2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                     |
| Expression System                                     | Prokaryotic expression                                                                                       |
| Species                                               | Human                                                                                                        |
| Tag                                                   | Two N-terminals, His-tag and SUMO-tag                                                                        |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Isoelectric Point                                     | 9.6                                                                                                          |
| Subcellular Location                                  | Nucleus, Cytoplasm                                                                                           |
| Research Area                                         | Neuro science                                                                                                |
| Preparation and Storage                               | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored. |

MDSDASLYSRPSPFEDDLFLPARSGSGSAFTGGTVSSSTPSCPPFELSAELRGANGSAGAHFGDKLGGSGFKSSSST  
SSSTSSAAASSTKDKQNTPELQQLRLKINSERERHMLNLAIDGLFVWFPAHGFSVKLSKIATLLARNTILHLTN  
SLEEMRLYSEYTGGEHAGTFPACGLASAPLPAATNPAAAHBAHGFVWFPLPAAAAAANAAYSSASLPGS  
GLPSVGSIRPPHLLIESPSAAAAAPLGGGGGSGAGCGFHMGMPCCSICQVPPFHHVSAAGAGSLPRLTSDAK

Amino Acid Info



SDS-PAGE  
Figure. SDS-PAGE

ADDITIONAL INFORMATION

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Product Categories/Family for OLIG2 recombinant protein | Prokaryotic proteins |
|---------------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 17978475                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 10215                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_005797                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_005806.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q13516; Q05BP9; Q49AL3; Q86X04; Q9NZ14; B3KRF3                                                                                                                                                                                                                  |
| Molecular Weight                 | Predicted: 36 kDa<br>Observed: 37 kDa                                                                                                                                                                                                                           |
| NCBI Official Full Name          | oligodendrocyte transcription factor 2                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | oligodendrocyte lineage transcription factor 2                                                                                                                                                                                                                  |
| NCBI Official Symbol             | OLIG2                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19                                                                                                                                                                                                                        |
| NCBI Protein Information         | oligodendrocyte transcription factor 2; protein kinase C-binding protein 2; class B basic helix-loop-helix protein 1; class E basic helix-loop-helix protein 19; human protein kinase C-binding protein RACK17; basic domain, helix-loop-helix protein, class B |
| UniProt Protein Name             | Oligodendrocyte transcription factor 2                                                                                                                                                                                                                          |
| UniProt Gene Name                | OLIG2                                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | BHLHB1; BHLHE19; PRKCBP2; RACK17; Oligo2; bHLHb1; bHLHe19                                                                                                                                                                                                       |
| UniProt Entry Name               | OLIG2_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.