

## Recombinant Human SOX2 protein, His-SUMO-tagged

**Cat. No.** SOX2-3519H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human SOX2 protein(P48431)(1-317aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-317aa                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                              |
| <b>Molecular Mass</b>   | 50.3 kDa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p>MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSR</p> <p>GQRRKMAQENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDYK</p> <p>YRPRRKTKTLMKKDKYTLPGGLLAPGGNSMASGVGVGAGLGAGVNQRMDSYAHM</p> <p>NGWSNGSYSMMQDQLGYPQHPLNAHGAAQMQPMHRYDVSALQYNSMTSSQTY</p> <p>MNGSPTYSMSYSQQGTPGMALGSMGSVVKSEASSSPPVVTSSSHSRAPCQAGDL</p> <p>RDMISMYLPGAEVPEPAAPSRLHMSQHYQSGPVPGTAINGTLPPLSHMC</p> |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                   |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | SOX2 SRY (sex determining region Y)-box 2 [ Homo sapiens ]                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | SOX2                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | SOX2; SRY (sex determining region Y)-box 2; transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2; ANOP3; MCOPS3; MGC2413;                                                                                                        |
| <b>Gene ID</b>          | 6657                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_003106                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_003097                                                                                                                                                                                                                                                     |
| <b>MIM</b>              | 184429                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | P48431                                                                                                                                                                                                                                                        |

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