

## Recombinant Human SMAD6 protein, His&Myc-tagged

**Cat. No.** SMAD6-2257H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human SMAD6 protein(O43541)(1-496aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in Insect Cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-496aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>   | 57.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | <p>MFRSKRSGLVRRRLWRSRVVPDREEGGSGGGGGGDEDGSLGSRAEPAPRAREGG</p> <p>GCGRSEVRPVAPRRPRDAVGQRGAGRRRRAGGPPRPMSEPGAGAGSSLLD</p> <p>VAEPGGPGWLPESDCETVTCCLFSERDAAGAPRDASDPLAGAALEPAGGGRSREA</p> <p>RSRLLLLLEQELKTVTYSLKRLKERSLDTLLEAVESRGGVPGGCVLVPRADLRLGGQ</p> <p>PAPPQLLLGLRFRWPDQLHAVELKPLCGCHSFAAAADGPTVCCNPYHFSRLCGPES</p> <p>PPPPYSRLSPRDEYKPLDLSDSTLSYTETEATNSLITAPGEFSDASMSPDATKPSHW</p> <p>CSVAYWEHRTRVGRLYAVYDQAVSIFYDLPPQGSGFCLGQLNLEQRSESVRRTRSKI</p> <p>GFGILLSKEPDGVWAYNRGEHPIFVNSPTLDAPGGRALVVRKVPPGYSIKVFDFERS</p> <p>GLQHAPEPDAADGPYDPNSVRISFAKGWGPCYSRQFITSCPCWLEILLNNPR</p> |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -20°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%. Customers could use it as reference.                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | SMAD6 SMAD family member 6 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>  | SMAD6                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | SMAD6; SMAD family member 6; MAD, mothers against decapentaplegic homolog 6 (Drosophila) , MADH6, MADH7, SMAD, mothers against DPP homolog 6 (Drosophila); mothers against decapentaplegic homolog 6; HsT17432; SMAD 6; hSMAD6; MAD homolog 6; mothers against DPP homolog 6; SMAD, mothers against DPP homolog 6; Mothers against decapentaplegic, drosophila, homolog of, 6; MADH6; MADH7; |
| <b>Gene ID</b>          | 4091                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001142861                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001136333                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 602931                                                                                                                                                                                                                                                                                                                                                                                       |

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UniProt ID

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