

## Recombinant Human SMAD5 Protein, His-tagged

**Cat. No.** SMAD5-162H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SMAD5, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.                                     |
| <b>Species</b>          | Human                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                        |
| <b>Description</b>      | Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). |
| <b>Form</b>             | 25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.                                                                                     |
| <b>Molecular Mass</b>   | 52.1 kDa                                                                                                                                      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                   |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                              |

### GENE INFORMATION

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b>       | SMAD5 SMAD family member 5 [ Homo sapiens ]                                 |
| <b>Official Symbol</b> | SMAD5                                                                       |
| <b>Synonyms</b>        | SMAD5; SMAD family member 5; MAD, mothers against decapentaplegic homolog 5 |

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(Drosophila) , MADH5, SMAD, mothers against DPP homolog 5 (Drosophila); mothers against decapentaplegic homolog 5; Dwfc; JV5 1; SMA- and MAD-related protein 5; SMAD, mothers against DPP homolog 5; MAD, mothers against decapentaplegic homolog 5; mothers against decapentaplegic, drosophila, homolog of, 5; DWFC; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323;

|                       |                           |
|-----------------------|---------------------------|
| <b>Gene ID</b>        | <a href="#">4090</a>      |
| <b>mRNA Refseq</b>    | <a href="#">NM_005903</a> |
| <b>Protein Refseq</b> | <a href="#">NP_005894</a> |
| <b>MIM</b>            | <a href="#">603110</a>    |
| <b>UniProt ID</b>     | <a href="#">Q99717</a>    |