



# Recombinant *Oryza sativa* subsp. japonica Homeobox-leucine zipper protein HOX5 (HOX5)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-MP747762OFG                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Abbreviation</b>      | HOX5                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                    |
| <b>Uniprot No.</b>       | Q6ZA74                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen Species</b> | <i>Oryza sativa</i> subsp. japonica (Rice)                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sequence</b>          | MDPGRVVFDS GVARRACPGG AQMLLFGGGG SANS GGFFRG<br>VPAAVLGMDE SRSSSSAAGA GAKRPFTH EELLEEEYYD EQAPEKKRRL<br>TAEQVQMLER SFEEENKLEP ERKTELARRL GMAPRQVAVW<br>FQNRRARWKT KQLEHDFDRL KAAYDALAAD HHALLSDNDR LRAQVISLTE<br>KLQDKETSPS SATITAAQE VDQPDEHTEA ASTTG FATVD GALAAPP PGH<br>QQPPHKDDL V SSGGTNDGD GGA AVVFDV TEGANDRLSC<br>ESAYFADAAE AYERDCAGHY ALSSEEEDGG AVSDEGCSFD LPDAAAAAAAA<br>MFGAAGVVHH DAADDEEAQL GSWTAWFWS |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Names</b>      | HOX5                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Names</b>     | Recommended name: Homeobox-leucine zipper protein HOX5<br>Alternative name(s): HD-ZIP protein HOX5 Homeodomain transcription factor HOX5<br>OsHox5                                                                                                                                                                                                                                                                    |
| <b>Expression Region</b> | 1-349                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                     |



of lyophilized form is 12 months at -20°C/-80°C.