

## Recombinant Human PAX2 protein, His-tagged

**Cat. No.** PAX2-1752H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PAX2 protein(145-431 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                 |
| <b>ProteinLength</b>    | 145-431 aa                                                                                                                                                                                                                                           |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |
| <b>AA Sequence</b>      | QPFHPTPDGAGTGV TAPGHTIVPSTASPPVSSASNDPVGSYSINGILGIPRSNGEKR<br>KRDEVEVYTDPAHIRGGGGLHLVWTLRDVSEGSVPNGDSQSGVDSLRKHLRADTF<br>TQQQLEALDRVFERPSYPDVFQASEHIKSEQGNEYSLPALTPGLDEVKSSLSASTNP<br>ELGSNVSGTQTYPVVTGRDMASTTLPGYPPHPPTGQGSYPTSTLAGMVPVGSEFS        |

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GNPYSHPQYTAYNEAWRFSNPALLMPPPGPPLPLLPLPMTATSYRGDHIKLQADSF  
GLHIVPV

## GENE INFORMATION

**Gene Name** PAX2 paired box 2 [ Homo sapiens ]

**Official Symbol** PAX2

**Synonyms** PAX2; paired box 2; paired box gene 2; paired box protein Pax-2; paired box homeotic gene 2;

**Gene ID** 5076

**mRNA Refseq** NM\_000278

**Protein Refseq** NP\_000269

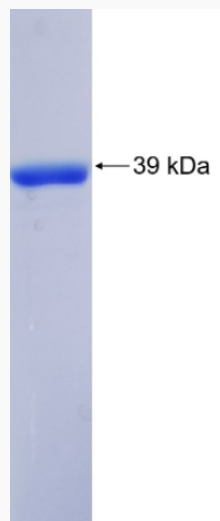
**MIM** 167409

**UniProt ID** Q02962

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**SDS-PAGE**

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