

# Recombinant Human NKX6-2 protein, His-tagged

**Cat. No.** NKX6-2-2851H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NKX6-2 protein(1-102 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-102 aa                                                                                                                                                                                                                                                                            |
| <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. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | MDTNRPGAFVLSSAPLAALHNMAEMKTSLFYPYALQGPGAGFKAPALGGLGAQLPLGT<br>PHGISDILGRPVGAAAGGGLLGGLPRLNGLASSAGVYFGPAAAVARG                                                                                                                                                                       |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.<br>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

storage.

## GENE INFORMATION

**Gene Name** [NKX6-2 NK6 homeobox 2 \[ Homo sapiens \]](#)

**Official Symbol** [NKX6-2](#)

**Synonyms**

NKX6-2; NK6 homeobox 2; NK6 transcription factor related, locus 2 (Drosophila); homeobox protein Nkx-6.2; GTX; NKX6.1; NKX6B; homeobox 6B; NK homeobox family 6, B; homeobox protein NK-6 homolog B; NK6 transcription factor related, locus 2; glial and testis-specific homeobox protein; NKX6.2; MGC126684;

**Gene ID** [84504](#)

**mRNA Refseq** [NM\\_177400](#)

**Protein Refseq** [NP\\_796374](#)

**MIM** [605955](#)

**UniProt ID** [Q9C056](#)

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