# Recombinant Human NKX2-2 Protein, GST-tagged

**Cat. No.** NKX2-2-5896H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human NKX2-2 full-length ORF ( ABZ92170.1, 1 a.a. - 273 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **ProteinLength** | 1-273 a.a. |
| **Description** | The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor. [provided by RefSeq |
| **Molecular Mass** | 30.1 kDa |
| **AA Sequence** | MSLTNTKTGFSVKDILDLPDTNDEEGSVAEGPEEENEGPEPAKRAGPLGQGALDAV QSLPLKNPFYDSSDNPYTRWLASTEGLQYSLHGLAAGAPPQDSSSKSPEPSADESP DNDKETPGGGGDAGKKRKRRVLFSKAQTYELERRFRQQRYLSAPEREHLASLIRLT PTQVKIWFQNHRYKMKRARAEKGMEVTPLPSPRRVAVPVLVRDGKPCHALKAQDL AAATFQAGIPFSAYSAQSLQHMQYNAQYSSASTPQYPTAHPLVQAQQWTW |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein) |

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| | Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | NKX2-2 NK2 homeobox 2 [ Homo sapiens ] |
| **Official Symbol** | NKX2-2 |
| **Synonyms** | NKX2-2; NK2 homeobox 2; NK 2 (Drosophila) homolog B , NK2 transcription factor related, locus 2 (Drosophila) , NKX2B; homeobox protein Nkx-2.2; NKX2.2; NK-2 homolog B; homeobox protein NK-2 homolog B; NK2 transcription factor-like protein B; NK2 transcription factor related, locus 2; NKX2B; |
| **Gene ID** | 4821 |
| **mRNA Refseq** | NM_002509 |
| **Protein Refseq** | NP_002500 |
| **MIM** | 604612 |
| **UniProt ID** | O95096 |

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