

## Recombinant Human NKX3-1, GST-tagged

**Cat. No.** NKX3-1-1305H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NKX3-1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 125-181aa                                                                                                                                                         |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NKX3-1 NK3 homeobox 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | NKX3-1                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | NKX3-1; NK3 homeobox 1; NK homeobox (Drosophila), family 3, A , NK3 transcription factor related, locus 1 (Drosophila) , NKX3A; homeobox protein Nkx-3.1; BAPX2; NKX3.1; NK homeobox, family 3, A; homeobox protein NK-3 homolog A; NK3 transcription factor homolog A; NK3 transcription factor related, locus 1; NKX3; |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | NKX3A;                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene ID</b>             | <a href="#">4824</a>                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | <a href="#">NM_001256339</a>                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | <a href="#">NP_001243268</a>                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | <a href="#">602041</a>                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">Q99801</a>                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 8p21.2                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Coregulation of Androgen receptor activity, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Prostate cancer, organism-specific biosystem; Prostate cancer, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem; |
| <b>Function</b>            | androgen receptor activity; core promoter binding; contributes_to cysteine-type endopeptidase activator activity involved in apoptotic process; estrogen receptor activity; estrogen receptor binding; histone deacetylase binding; protein binding; protein bi                                                                           |