

# Recombinant Full Length Human NME5 Protein, GST-tagged

**Cat. No.** NME5-6584HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human NME5 full-length ORF ( AAH26182, 1 a.a. - 212 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 212 amino acids                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | NME5 (NME/NM23 Family Member 5) is a Protein Coding gene. Diseases associated with NME5 include Muscular Dystrophy, Rigid Spine, 1. Among its related pathways are superpathway of pyrimidine deoxyribonucleotides de novo biosynthesis and purine nucleotides de novo biosynthesis. GO annotations related to this gene include nucleoside diphosphate kinase activity. An important paralog of this gene is NME7. |
| <b>Molecular Mass</b>   | 49.06 kDa                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MEISMPPPQIYVEKTLAIKPDIVDKEEEIQDIILRSGFTIVQRRKLRLSPEQCSNFYVEK<br>YGKMFFPNLTAYMSSGPLVAMILARHKAISYWLELLGPNNSLVAKETHPDSLRAIYGT<br>DDLRLNALHGSNDFAAAEREIRFMFPEVIVEPIPIGRAAKDYLNHIMPTLLEGLTELCK<br>QKPADPLIWLADWLLKNNPNKPKLCHHPIVEEPY                                                                                                                                                                                     |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                                                    |

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### Protein Array

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

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NME5 non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) [ <a href="#">Homo sapiens</a> ]                                                                                                                                                                                                                                |
| <b>Official Symbol</b> | <a href="#">NME5</a>                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | NME5; non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase); nucleoside diphosphate kinase homolog 5; nm23 H5; radial spoke 23 homolog (Chlamydomonas); RSPH23; NDK-H 5; IPIA-beta; NDP kinase homolog 5; radial spoke 23 homolog; testis-specific nm23 homolog; inhibitor of p53-induced apoptosis-beta; NM23H5; NM23-H5; |
| <b>Gene ID</b>         | <a href="#">8382</a>                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | <a href="#">NM_003551</a>                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | <a href="#">NP_003542</a>                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | <a href="#">603575</a>                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | <a href="#">P56597</a>                                                                                                                                                                                                                                                                                                                            |

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