# Recombinant Human HMX2 Protein, GST-tagged

**Cat. No.** HMX2-4889H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human HMX2 partial ORF (NP_005510.1, 125 a.a. - 224 a.a.) recombinant protein with GST tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **ProteinLength** | 125-224 a.a. |
| **Description** | The protein encoded by this gene is a member of the NKL homeobox family of transcription factors. Members in this family are of ancient origin and play an important role in organ development during embryogenesis. A related mouse protein plays a role in patterning of inner ear structures. In humans, variations in a region containing this gene have been associated with inner ear malformations, vestibular dysfunction, and hearing loss. [provided by RefSeq, Aug 2012] |
| **Molecular Mass** | 36.63 kDa |
| **AA Sequence** | PAGSPSPGSERPRDGGAERQAGAAKKKTRTVFSRSQVYQLESTFDMKRYLSSSER ACLASSLQLTETQVKTWFQNRRNKWKRQLSAELEAANMAHASAQT |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

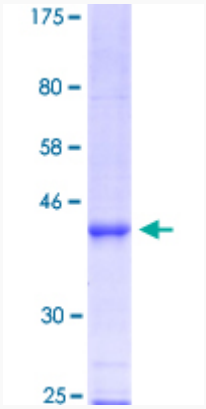
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | HMX2 H6 family homeobox 2 [ Homo sapiens ] |
| **Official Symbol** | HMX2 |
| **Synonyms** | HMX2; H6 family homeobox 2; homeo box (H6 family) 2; homeobox protein HMX2; NKX5 2; H6 homeo box 2; homeobox (H6 family) 2; homeobox protein H6 family member 2; H6L; Nkx5-2; |
| **Gene ID** | 3167 |
| **mRNA Refseq** | NM_005519 |
| **Protein Refseq** | NP_005510 |
| **MIM** | 600647 |
| **UniProt ID** | A2RU54 |

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| **Quality Control Testing** | <br>12.5% SDS-PAGE Stained with Coomassie Blue |

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