

# Recombinant Full Length Human EME2 Protein, GST-tagged

**Cat. No.** EME2-4241HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Human EME2 full-length ORF ( AA167808.1, 1 a.a. - 444 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>    | 444 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | EME2 forms a heterodimer with MUS81 (MIM 606591) that functions as an XPF (MIM 278760)-type flap/fork endonuclease in DNA repair (Ciccio et al., 2007 [PubMed 17289582]).[supplied by OMIM, Mar 2008]                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 48.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MARVGPGRAGVSCQGRGRGRGGSGQRRPPTWEISDSAEDSAGSEAAARARDP<br>AGERRAAAEALRLLRPEQVLKRLAVCVDTAILEDAGADVLMEALEALGCECRIEPQR<br>PARSLRWTRASPDPCPRSLPPEVWAAGEQELLLLLLEPEEFLLQGVATLTQISGPTHW<br>VPWISPETTARPHLAVIGLDAYLWYRSLSCPQQGWLGRGFRGGGLWQRPSSGRAG<br>PMGSGEEWSPLLRSRQHVSRTGQPEPKVAGAEVAVSWPEVEEVRACLSWALV<br>LLQLWANLDVLLVASWQELSRHVCAVTKALAQYPLKCVMPRLKGGGRITSRQYRESQ<br>AFSFCTAGRWAAGEPVARDGAGLQAAWRRQIRQFSRVSPAVADAVVTAFPSRLL<br>QQALEACSTERERMGLLADLPVPPSEGGRPRRVGPDLSSRICLFLTANPDLLDLG<br>S |

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| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>        | EME2 essential meiotic structure-specific endonuclease subunit 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>  | EME2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>         | EME2; essential meiotic structure-specific endonuclease subunit 2; Essential Meiotic Structure-Specific Endonuclease Subunit 2; SLX2 Structure-Specific Endonuclease Subunit Homolog B (S. Cerevisiae); SLX2 Structure-Specific Endonuclease Subunit Homolog B; Essential Meiotic Endonuclease 1 Homolog 2 (S. Pombe); Probable Crossover Junction Endonuclease EME2; Essential Meiotic Endonuclease 1 Homolog 2; Homolog Of Yeast EME1 Endonuclease 2; EC 3.1.22.-; SLX2B; Gs125; probable crossover junction endonuclease EME2; SLX2 structure-specific endonuclease subunit homolog B; essential meiotic endonuclease 1 homolog 2; homolog of yeast EME1 endonuclease 2 |
| <b>Gene ID</b>          | 197342                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_001257370                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|----------------|--------------|
| Protein Refseq | NP_001244299 |
| MIM            | 610886       |
| UniProt ID     | A4GXA9       |

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