Recombinant Human EME1 Protein, GST-tagged

Cat. No. EME1-3275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EME1 full-length ORF (AAH16470.1, 1 a.a. - 583 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a protein that complexes with methyl methanesulfonate-sensitive UV-sensitive 81 protein to form an endonuclease complex. The encoded protein interacts with specifc DNA structures including nicked Holliday junctions, 3'-flap structures and aberrant replication fork structures. This protein may be involved in repairing DNA damage and in maintaining genomic stability. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]
Molecular Mass	91.2 kDa
AA Sequence	MALKKSSPSLDSGDSDSEELPTFAFLKKEPSSTKRRQPEREEKIVVVDISDCEASCP PAPELFSPPVPDIAETVTQTQPVRLLSSESEDEEEFIPLAQRLTCKFLTHKQLSPEDS SSPVKSVLDHQNNEGASCDWKKPFPKIPEVPLHDTPERSAADNKDLILDPCCQLPAY LSTCPGQSSSLAVTKTNSDILPPQKKTKPSQKVQGRGSHGCRQQRQARQKESTLR RQERKNAALVTRMKAQRPEECLKHIIVVLDPVLLQMEGGGQLLGALQTMECRCVIEA QAVPCSVTWRRRAGPSEDREDWVEEPTVLVLLRAEAFVSMIDNGKQGSLDSTMKG KETLQGFVTDITAKTAGKALSLVIVDQEKCFSLELLFFDFLPCTSAQNPPRRGKQGAN KQTKKQQQRQPEASIGSMVSRVDAEEALVDLQLHTEAQAQIVQSWKELADFTCAFT

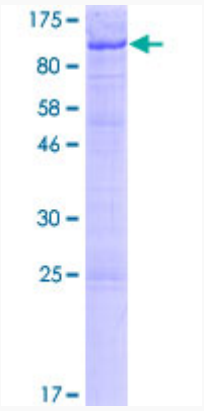
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	KAVAEAPFKKLRDETTFSFCLESDWAGGVKVDLAGRGLALVWRRQIQQLNRVSLEM ASAVVNAYPSPQLLVQAYQQCFSDKERQNLLADIQVRRGEGVTSTSRRIGPELSRRI YLQMTTLQPHLSLDSAD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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

Gene Name	EME1 essential meiotic endonuclease 1 homolog 1 (S. pombe) [Homo sapiens]
Official Symbol	EME1
Synonyms	EME1; essential meiotic endonuclease 1 homolog 1 (S. pombe); crossover junction endonuclease EME1; FLJ31364; MMS4L; SLX2 structure specific endonuclease subunit homolog A (S. cerevisiae); SLX2A; hMMS4; MMS4 homolog; homolog of yeast EME1 endonuclease; essential meiotic endonuclease 1 homolog 2; SLX2 structure-specific endonuclease subunit homolog A;
Gene ID	146956
mRNA Refseq	NM_001166131

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Protein Refseq	NP_001159603
MIM	610885
UniProt ID	Q96AY2
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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