

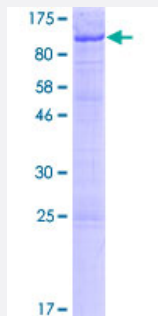
Full-Length

EME1 (Human) Recombinant Protein (P01)

Catalog # H00146956-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EME1 full-length ORF (AAH16470.1, 1 a.a. - 583 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALKKSSPSLDSGDSDSEELPTFAFLKKEPSSTKRRQPEREEKMVVDISDCEASCPPAPELFS
PPVPDIAETVTQTQPVRLLSSESEDEEEFIPLAQLTCKFLTHKQLSPEDSSSPVKSVDLHQNNE
GASCDWKKPFPKIPVPLHDTPEERSAADNKDLILDPCCLPAYLSTCPGQSSSLAVTKTNSDILP
PQKKTGPSQKVQGRGSHGCRQQRQARQKESTLRRQERKNAALVTRMKAQRPEECLKHIIVLDP
VLLQMEGGGQLLGALQTMECRCVIEAQAVPCSVTWRRRAGPSEDREDWVEEPTVLVLLRAEAF
VSMIDNGKQGS LDSTMKGKETLQGFVTDITAKTAGKALSLVVDQEKCFSELELLFFDFLPCTSAQN
PPRRGKQGANKQTKKQQRQPEASIGSMVSRVDAEEALVDLQLHTEAQAQMQSWKELADFTC
AFTKAVAEAPFKKL RDETTFSFCLESDWAGGVKVDLAGRGLALVWRRQIQQLN RV SLEMASAV
VNAYPSPQLLVQAYQQCFSDKERQNLLADIQVRRGEGVTSTSRRI GP ELSRRYLMQMTTLQPHLSL
DSAD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.2

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EME1

Entrez GeneID	146956
GeneBank Accession#	BC016470.2
Protein Accession#	AAH16470.1
Gene Name	EME1
Gene Alias	FLJ31364, MMS4L
Gene Description	essential meiotic endonuclease 1 homolog 1 (S. pombe)
Omim ID	610885
Gene Ontology	Hyperlink
Gene Summary	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 specific 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
Other Designations	essential meiotic endonuclease 1 homolog 1 essential meiotic endonuclease 1 homolog 2 homolog of yeast EME1 endonuclease

Pathway

- [Homologous recombination](#)

Disease

- [Brain Neoplasms](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)