

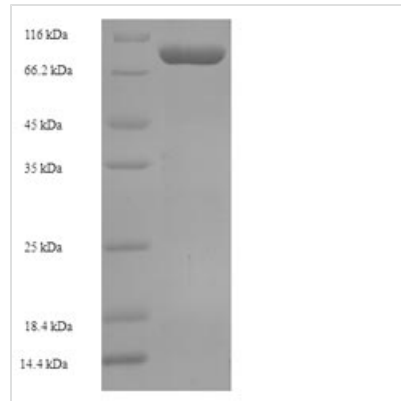


Recombinant Human Crossover junction endonuclease EME1 (EME1)

Product Code	CSB-EP856897HU
Relevance	Interacts with MUS81 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.
Abbreviation	Recombinant Human EME1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96AY2
Alias	MMS4 homolog ;hMMS4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MALKKSSPSLDSDSDSEELPTFAFLKKEPSSTKRRQPEREEKIVVVDISDCEA SCPPAPELFSPPVPEIAETVTQTQPVRLLSSESEDEEEFIPLAQRLTCKFLTHKQ LSPEDSSSPVKSVLDHQNNEGASCDWKKPFKIPVPLHDTPERSAADNKDLI LDPCCQLPAYLSTCPGQSSSLAVTKTNSDILPPQKKTKPSQKVQGRGSHGCR QQRQARQKESTLRRQERKNAALVTRMKAQRPEECLKHIIIVLDPVLLQMEGG GQLLGALQTMERCRCVIEAQAVPCSVTWRRRAGPSEDREDWVEEPTVLVLLRA EAFVSMIDNGKQGSLDSTMKGKETLQGFVTDITAKTAGKALSLVIVDQEKCFSL ELLFFDFLPCTSAQNPPRRGKQGANKQTKKQQQRQPEASIGSMVSRVDAEEA LVDLQLHTEAQAQIVQSWKELADFTCAFTKAVAEAPFKLRDETTFSFCLESD WAGGVKVDLAGRGLALVWRRQIQQLNRVSLEMASAVVNAYPSPQLLVQAYQ QCFSDKERQNLLADIQVRRGEGVTSTSRRIGPELSRRIYLQMTTLQPHLSLDSA D
Research Area	Cell Biology
Source	E.coli
Target Names	EME1
Expression Region	1-583aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	80.8kDa


Protein Length

Full Length of Isoform 2

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.