



Recombinant Human Crossover junction endonuclease EME1(EME1)

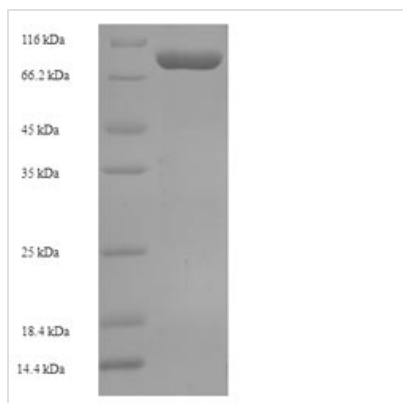
Product Code	CSB-EP856897HU
Relevance	Interacts with MUS81 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.
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
Storage Buffer	Tris-based buffer,50% glycerol
Alias	MMS4 homolog ;hMMS4
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MALKKSSPSLDSDSDSEELPTFAFLKKEPSSTKRRQPEREEKIVVVDISDCEA SCPPAPELFSPPVPEIAETVTQTQPVRLLSSESEDEEEFIPLAQRLTCKFLTHKQ LSPEDSSSPVKSVLDHQNNEGASCDWKKPFKIPVPLHDTPERSAADNKDLI LDPCCQLPAYLSTCPGQSSSLAVTKTNSDILPPQKKTKPSQKVQGRGSHGCR QQRQARQKESTLRRQERKNAALVTRMKAQRPEECLKHIIVVLDPVLLQMEGG GQLLGALQTMERCRCVIEAQAVPCSVTWRRRAGPSEDREDWVEEPTVLVLLRA EAFVSMIDNGKQGSLDSTMKGKETLQGFVTDITAKTAGKALSLVVDQEKCFSL ELLFFDFLPCTSAQNPPRRGKQGANKQTKKQQQRQPEASIGSMVSRVDAEEA LVDLQLHTEAQAQIVQSWKELADFTCAFTKAVAEAPFKLRDETTFSFCLESD WAGGVKVDLAGRGLALVWRRQIQQLNRVSLEMASAVVNAYPSPQLLVQAYQ QCFSDKERQNLLADIQVRRGEGVTSTSRRIGPELSRRIYLQMTTLQPHLSLDSA D
Research Area	Cell Biology
Source	E.coli
Gene 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 Description

Full Length of Isoform 2

Image



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