

Recombinant human Crossover junction endonuclease EME1



Catalog No: #AP71490

Orders: order@signalwayantibody.com

Package Size: #AP71490-1 20ug #AP71490-2 100ug #AP71490-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Crossover junction endonuclease EME1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-583aaSequence Info:Full Length of Isoform 2
Other Names	MMS4 homolog ;hMMS4
Accession No.	Q96AY2
Uniprot	Q96AY2
GeneID	146956;
Calculated MW	80.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MALKKSSPSLDSDGSDSEELPTFAFLKKEPSSTKRRQPEREEKIVVVDISDCEASCPPAPELFSPPVPEIAETVT QTQPVRLLSSESEDEEEFIPLAQLRTCKFLTHKQLSPEDSSSPVKSVDLHQNNEGASCDWKKPFKPIPEVPLH DTPERSAADNKDILDPCQQLPAYLSTCPGQSSSLAVTKTNSDILPPQKTKPSQKVQGRGSHGCRQQRQAR QKESTLRRQERKNAALVTRMKAQRPEECLKHIIIVLDPVLLQMEGGQLLQALQTMECRCVIEAQAVPCSVT WRRRAGPSEDREDWVEEPTVLVLLRAEAFVSMIDNGKQGS�DSTMKGKETLQGFVTDITAKTAGKALSLVVD QEKCFSLELLFFDFLPCTSAQNPPRRGKQGANKQTKKQQQRQPEASIGSMVSRVDAEEALVDLQLHTEAQAQ IVQSWKELADFTCAFTKAVAEAPFKLRDETTFSFCLESDWAGGVKVDLAGRGLALVWRRRIQQLNRSLEM ASAVVNAYPSPQLLVQAYQQCFSDKERQNLLADIQVRRGEGVTSTSRRIGPELSRRIYLQMTTLQPHLSLDSA D
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. , Yamamoto

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Note: This product is for in vitro research use only