

Datasheet for ABIN7547313

**Crossover junction endonuclease EME1 (EME1) (AA 1-570)  
protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Crossover junction endonuclease EME1 (EME1)
Protein Characteristics:	AA 1-570
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Custom-made recombinant EME1 Protein expressed in mammalian cells.
Sequence:	<p>MALKKSSPSL DSGDSDSEEL PTF AFLKKEP SSTKRRQPER EEKIVVVDIS DCEASCPPAP ELFSPVPEI AETVTQTQPV RLLSSESEDE EEFIPLAQL TCKFLTHKQL SPEDSSSPVK SVLDHQNEG ASCDWKKPFP KIPEVPLHDT PERSAADNKD LILDPCQLP AYLSTCPGQS SSLAVTKTNS DILPPQKKTK PSQKVQGRGS HGCRQQRQAR QKESTLRRQE RKNAAALVTRM KAQRPEECKL HIIVLDPV LQMEGGGQLL GALQTMERC VIAQAVPCS VTWRRRAGPS EDREDWVEEP TVLVLLRAEA FVSMIDNGKQ GSLDSTMKGK ETLQGFVTDI TAKTAGKALS LVIVDQEKCF SAQNPPRRGK QGANKQTKKQ QQRQPEASIG SMVSRVDAEE ALVDLQLHTE AQAQIVQSWK ELADFTCAFT KAVAEAPFKK LRDETTFSFC LESDWAGGVK VDLAGRGLAL VWRRRIQQLN RVSLEMASAV VNAYPSPQLL VQAYQQCFSD KERQNLLADI QVRRGEGVTS TSRRIGPELS RRIYLQMTTL QPHLSLDSAD <b>Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please</b></p>

## Product Details

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### contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: Crossover junction endonuclease EME1 (EME1)

Alternative Name: EME1 ([EME1 Products](#))

Background: Crossover junction endonuclease EME1 (EC 3.1.22.-) (MMS4 homolog) (hMMS4),FUNCTION: 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. {ECO:0000269|PubMed:12686547, ECO:0000269|PubMed:12721304, ECO:0000269|PubMed:14617801, ECO:0000269|PubMed:17289582}.

Molecular Weight: 63.3 kDa

UniProt: [Q96AY2](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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