

Recombinant Human MAP7 Protein, His-tagged

Cat. No. MAP7-2416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP7 Protein (Glu414-Ile749) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu414-Ile749
Description	The product of this gene is a microtubule-associated protein that is predominantly expressed in cells of epithelial origin. Microtubule-associated proteins are thought to be involved in microtubule dynamics, which is essential for cell polarization and differentiation. This protein has been shown to be able to stabilize microtubules, and may serve to modulate microtubule functions. Studies of the related mouse protein also suggested an essential role in microtubule function required for spermatogenesis. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.1 kDa Accurate Molecular Mass: 77 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MAP7 microtubule-associated protein 7 [Homo sapiens (human)]
Official Symbol	MAP7
Synonyms	MAP7; microtubule-associated protein 7; ensconsin; E MAP 115; MAP-7; epithelial microtubule-associated protein of 115 kDa; dJ325F22.2 (microtubule-associated protein 7 (EMAP115, E-MAP-115)); EMAP115; E-MAP-115;
Gene ID	9053
mRNA Refseq	NM_001198608
Protein Refseq	NP_001185537

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MIM	604108
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UniProt ID	Q14244
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