

Microtubule Associated Protein 2 (MAP2) Recombinant Protein | MAP2 recombinant protein

Recombinant Microtubule Associated Protein 2 (MAP2)

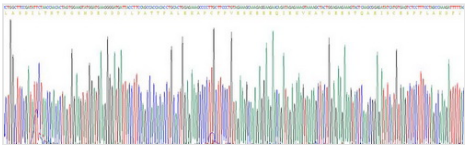
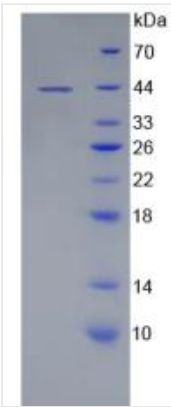
CATALOG # AAA20281	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Microtubule Associated Protein 2 (MAP2); Recombinant Microtubule Associated Protein 2 (MAP2); MAP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5% Trehalose
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for MAP2 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Source	Prokaryotic expression
Residues	Leu727~Asp985
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	4.7
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: 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 degree C 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.



Gene Sequencing (Extract)

SDS-PAGE

		LASD	ILTNTSGSMD	EGDDYLPATT
PALEKAPCFP	VESKEEEQIE	KVKATGEEST	QAEISCESPF	LAKDFYKNGT
VMAPDLPEML	DLAGTRSRLA	SVSADAEVAR	RKSVPSETVV	EDSRTGLPPV
TDENHVIVKT	DSQLEDLGYC	VFNKYTVPLP	SPVQDSENLS	GESGTFYEGT
DDKVRRDLAT	DLSLIEVKLA	AAGRVKDEFS	VDKEASAHIS	GDKSGLSKEF
DQEKKANDRL	DTVLEKSEEH	ADSKEHAKKT	EEAGD	

Sequence Information

ADDITIONAL INFORMATION

Related Product Information for MAP2 recombinant protein

- Phenomenon Explanation: The possible reasons that the actual band size differs from the predicted are as follows:
- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
 - 2. Relative charge: The composition of amino acids may affects the charge of the protein.
 - 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
 - 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
 - 5. Polymerization of the target protein: Dimerization, multimerization etc.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578394
NCBI GeneID	4133
NCBI Accession #	NP_001034627.1
NCBI GenBank Nucleotide #	NM_001039538.1
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
Molecular Weight	Predicted Molecular Mass: 29.4kDa Accurate Molecular Mass: 43kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	microtubule-associated protein 2 isoform 5
NCBI Official Synonym Full Names	microtubule-associated protein 2
NCBI Official Symbol	MAP2
NCBI Official Synonym Symbols	MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2; MAP-2
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	MAP2
UniProt Synonym Gene Names	MAP-2
UniProt Entry Name	MTAP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/map2-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20281>