

Recombinant Human MICAL2 Protein, His-tagged

Cat. No. MICAL2-2441H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MICAL2 Protein (Met1-His495) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-His495
Description	The protein encoded by this gene is a monooxygenase that enhances depolymerization of F-actin and is therefore involved in cytoskeletal dynamics. The encoded protein is a regulator of the SRF signaling pathway. Increased expression of this gene has been associated with cancer progression and metastasis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.2 kDa Accurate Molecular Mass: 59 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MICAL2 microtubule associated monooxygenase, calponin and LIM domain containing 2 [Homo sapiens (human)]
Official Symbol	MICAL2
Synonyms	MICAL2; microtubule associated monooxygenase, calponin and LIM domain containing 2; protein-methionine sulfoxide oxidase MICAL2; KIAA0750; protein MICAL-2; flavoprotein oxidoreductase MICAL2; molecule interacting with CasL protein 2; MICAL-2; MICAL2PV1; MICAL2PV2; DKFZp686H2469; DKFZp686H03148;
Gene ID	9645
mRNA Refseq	NM_014632

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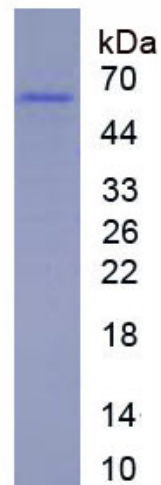
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Protein Refseq NP_055447

MIM 608881

UniProt ID O94851



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