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Product datasheet for PH301045

PSMC3IP (NM_013290) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PSMC3IP MS Standard C13 and N15-labeled recombinant protein (NP_037422)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201045
Predicted MW:	23.6 kDa
Protein Sequence:	>RC201045 protein sequence Red=Cloning site Green=Tags(s) MSKGRAEAAAGAAGILLRYLQEQNRPYSSQDVFGNLQREHGLGKAVVVKTLEQLAQQGKIKEKMYGKQKI YFADQDQFDMVSDADLQVLDGKIVALTAKVQSLQQSCRYMEAEMQKEIQELKKECAGYRERLKNIKAATN HVTPEEKEQVYRERQKYCKEWRKRKRMATELSDAILEGYPKSKKQFFEEVGIETDEDYNVTLPDP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037422
RefSeq Size:	1440
RefSeq ORF:	615
Synonyms:	GT198; HOP2; HUMGT198A; ODG3; TBPIP
Locus ID:	29893
UniProt ID:	Q9P2W1

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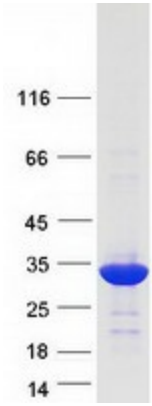
Cytogenetics: 17q21.2

Summary: This gene encodes a protein that functions in meiotic recombination. It is a subunit of the PSMC3IP/MND1 complex, which interacts with PSMC3/TBP1 to stimulate DMC1- and RAD51-mediated strand exchange during meiosis. The protein encoded by this gene can also co-activate ligand-driven transcription mediated by estrogen, androgen, glucocorticoid, progesterone, and thyroid nuclear receptors. Mutations in this gene cause XX female gonadal dysgenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2011]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PSMC3IP protein (Cat# [TP301045]). The protein was produced from HEK293T cells transfected with PSMC3IP cDNA clone (Cat# [RC201045]) using MegaTran 2.0 (Cat# [TT210002]).