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Product datasheet for PH313550

Septin 8 (SEPT8) (NM_015146) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SEPT8 MS Standard C13 and N15-labeled recombinant protein (NP_055961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213550
Predicted MW:	49.6 kDa
Protein Sequence:	>RC213550 representing NM_015146 Red=Cloning site Green=Tags(s) MAATDLERFSNAEPEPRSLSLGGHVGFDSLPDQLVSKSVTQGFSFNILCVGETGIGKSTLMNTLFNTTFE TEEASHHEACVRLRPQTYDLQESNVQLKLTIVDAVGFGDQINKDESYRPIVDYIDAQFENYLQEELKIRR SLFDYHDTRIHVCLYFITPTGHSLKSLDLVTMKKLDSKVNIIPIIAKADTISKSELHKFKIKIMGELVSN GVQIYQFPTDDEAVAEINAVMNAHLPFAVVGSTEEVKVGNKLVRARQYPWGVVQVENENHCDFVKLREML IRVNMEDLREQTHSRHYELYRRCKLEEMGFQDSDGDSQPFSLQETYEAKRKEFLSELQRKEEEMRQMFVN KVKETELELKEKERELHEKFEHLKRVHQEEKRKVEEKRRELEEETNAFNRRKAAVEALQSQALHATSQQP LRKDKDKKN 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_055961
RefSeq Size:	4344
RefSeq ORF:	1287
Synonyms:	SEP2; SEPT8

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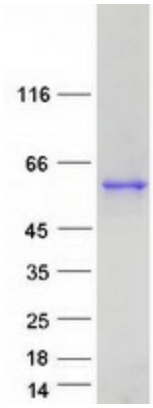
Locus ID: 23176

UniProt ID: Q92599

Cytogenetics: 5q31.1

Summary: This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Coomassie blue staining of purified SEPTIN8 protein (Cat# [TP313550]). The protein was produced from HEK293T cells transfected with SEPTIN8 cDNA clone (Cat# [RC213550]) using MegaTran 2.0 (Cat# [TT210002]).