

Product datasheet for PH302914

STMN2 (NM_007029) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STMN2 MS Standard C13 and N15-labeled recombinant protein (NP_008960)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202914
Predicted MW:	20.8 kDa
Protein Sequence:	>RC202914 protein sequence Red=Cloning site Green=Tags(s) MAKTAMAYKEKMKEL.SMLSLICSCFYPEPRNINIYTYDDMEVKQINKRASGQAFELILKPPSPISEAPRT LASPKKKDL.SLEEIQKKLEAAEERRKSQEAQVLKQLAEKREHEREVLQKALEENNNFSKMAEEKLILKME QIKENREANLAAIIERLQEKERHAAEVRRNKELQVELSG 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_008960
RefSeq Size:	2232
RefSeq ORF:	537
Synonyms:	SCG10; SCGN10
Locus ID:	11075
UniProt ID:	Q93045

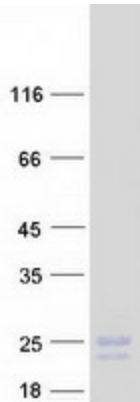


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Cytogenetics: 8q21.13

Summary: This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Nov 2010]

Product images:



Coomassie blue staining of purified STMN2 protein (Cat# [TP302914]). The protein was produced from HEK293T cells transfected with STMN2 cDNA clone (Cat# [RC202914]) using MegaTran 2.0 (Cat# [TT210002]).