

Product datasheet for PH322092

C9orf114 (SPOUT1) (NM_016390) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C9orf114 MS Standard C13 and N15-labeled recombinant protein (NP_057474)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222092
Predicted MW:	42.1 kDa
Protein Sequence:	>RC222092 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAERGRKRPCGPGEGHQRIEWRKWKQKKEEKKKWKDLKLMKKLERQRAQEEQAKRLEEEEEAAAEKEDRG RPYTLSVALPGSILDNAQSPQLRKYLAGQIARACAIKFCVDEIVVFDEEGQDAKTVEGEFRGVGKKGQACV QLARILQYLECPQYLRKAFFPKHQDLQFAGLLNPLDSPHMRQDEESEFREGIVVDRPTRPGHGSFVNCG MKKEVKIDKNLEPGLRVTVRLNQQHPDCKTYHGKVVSSQDPRTKAGLYWGYTVRLASCLSAVFAEAPFQ DGYDLTIGTSESGSDVASAQLPNFRHALVVFGLQGLEAGADADPNLEVAEPSVLFDLVNTCPGQGSRT IRTEEAILISLAALQPGLIQAGARHT</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_057474
RefSeq Size:	4302
RefSeq ORF:	1128
Synonyms:	C9orf114; CENP-32; CENP32; HSPC109
Locus ID:	51490



[View online »](#)

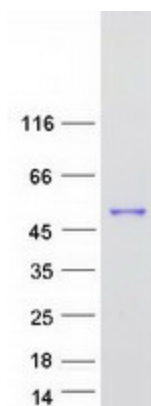
UniProt ID: [Q5T280](#)

Cytogenetics: 9q34.11

Summary: Required for association of the centrosomes with the poles of the bipolar mitotic spindle during metaphase (PubMed:20813266, PubMed:25657325). Also involved in chromosome alignment (PubMed:20813266). May promote centrosome maturation probably by recruiting A-kinase anchor protein AKAP9 to centrosomes in early mitosis (PubMed:25657325). Binds specifically to miRNA MIR145 hairpin, regulates MIR145 expression at a posttranscriptional level (PubMed:28431233).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified SPOUT1 protein (Cat# [TP322092]). The protein was produced from HEK293T cells transfected with SPOUT1 cDNA clone (Cat# [RC222092]) using MegaTran 2.0 (Cat# [TT210002]).