

Product datasheet for PH317252

JLP (SPAG9) (NM_003971) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPAG9 MS Standard C13 and N15-labeled recombinant protein (NP_003962)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217252
Predicted MW:	144.5 kDa
Protein Sequence:	>RC217252 representing NM_003971 Red=Cloning site Green=Tags(s)

MELEDGVVYQEEPPGGSGAVMSERVSGLAGSIYREFERLIGRYDEEVVKELMPLVVAVLENLDSVFAQDQE
 HQVELELLRDDNEQLITQYEREKALRKHAEKFI EFEDSQEQEKDLQTRVESLESQTRQLELKAKNYAD
 QISRLEEREAEELKKEYNALHQRHTEMIHNMEHLERTKLHQLSGSDQLESTAHSRIRKERPISLGIFPLP
 AGDGLLTPDAQGGETPGSEQWKFQELSQPRSHTSLKDELSDVSQGGSKATTPASTANSVATIPTDTPL
 KEENEGFVKVTDAPNKSEISKHIEVQVAQETRVNSTGSAENEKSEVQAIIESTPELMDKDL SGYKSS
 TPTKGIENKAFDRNTESLFEELSSAGSLIGDVDEGADLLGMGREVENLILENTQLLETKNALNIVKNDL
 IAKVDELTCCKDVLQGELEAVKQAKLKLEEKNRELEELRKARAEADARQKAKDDDDSDIPTAQRKFT
 RVEMARVLMERNQYKERLMELQEA VRWTE MIRASRENPA MQEKKRSSIQWFFSRLFSSSNTTKPEPPV
 NLKYNAPTSHTVPSVKKRSSTLSQLPGDKSKAFDFLSEETEASLASRREQKREYRQVKAHVQKEDGRVQ
 AFGWSLPQKYKQVTNGQGENKMNLPVPVYLRPLDEKDTSMKLWCAVGVNLSGGKTRDGGSVV GASVFYK
 DVAGLDTEGSKQRSASQSSLDKLDQELKEQKELKNQEELSSLVWICTSTHSATKVLIIIDAVQPGNILD
 FTVCNSHVLCIASVPGARETDYPAGEDLSESGQVDKASLCGSMTSNSSAETDSSLGGITVVGCSAEGVTG
 AATSPSTNGASPVMDKPPMEAEENSEVDENVPTAEEATEATEGNAGSAEDTVDISQTGVYTEHVFTDPLG
 VQIPEDLSPVYQSSNDSAYKDQISVLPNEQDLVREEAQKMSLLPTMWLGAQNGCLYVHSSVAQWRKCL
 HSIKLDKDSILSIVHVKGIVLVALADGTLAIFHRGVDGQWDL SNYHLLDLGRPHHSIRCMTVVHDKVWCGY
 RNKIYVVQPKAMKIEKSFDAHPRKESQVRQLAWVGDGVVYSIRLDSTLRLYHAHTYQHLQDVVDIEPYVSK
 MLGTGKLGFSFVRITALMVSCNRLWVGTGNGVIIISIPLTETNKTS GVPGNRPGSVIRVYGDENS DKVTPG
 TFI PYCSMAHAQLCFHGRDAVKFFVAVPGQVISPQSSSGTDLTGDKAGPSAQEPGSQTPLKSMLVISG
 GEGYIDFRMGDEGGESELLGEDLPLEPSVTKAERSHLIVWQV MYGNE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

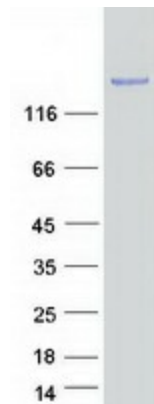
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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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_003962
RefSeq Size:	4663
RefSeq ORF:	3921
Synonyms:	CT89; HLC-6; HLC4; HLC6; JIP-4; JIP4; JLP; PHET; PIG6
Locus ID:	9043
UniProt ID:	O60271
Cytogenetics:	17q21.33
Summary:	This gene encodes a member of the cancer testis antigen gene family. The encoded protein functions as a scaffold protein that structurally organizes mitogen-activated protein kinases and mediates c-Jun-terminal kinase signaling. This protein also binds to kinesin-1 and may be involved in microtubule-based membrane transport. This protein may play a role in tumor growth and development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]

Product images:



Coomassie blue staining of purified SPAG9 protein (Cat# [TP317252]). The protein was produced from HEK293T cells transfected with SPAG9 cDNA clone (Cat# [RC217252]) using MegaTran 2.0 (Cat# [TT210002]).