

Product datasheet for PH322027

SP3 (NM_003111) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SP3 MS Standard C13 and N15-labeled recombinant protein (NP_003102)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222027
Predicted MW:	81.7 kDa
Protein Sequence:	>RC222027 representing NM_003111 Red=Cloning site Green=Tags(s)
	MTAPEKPVKQEEMAALDVS GGGGGGGGGHGEYLQQQQHGN GAVAAAAAQDTQPSPLALLAATCSKIG PPSPGDDEEEAAAAGAPAAAGATGDLASAQLGGAPNRWEVLSATPTTIKDEAGNLVQIPSAATSSGQYV LPLQNLQNNQIFSVAPGSDSSNGAVSSVQVQVIPQIQSADGQQVQIGFTGSSDNGGINQESSQIQIIPGS NQTLASGTSPANIQNLIPQTGGVQVQVVAIGSSFPGQTQVVANVPLGLPGNITFVPINSVDLDSLGLS GSSQTMAGINADGHLINTGQAMDSSDINSERTGERVSPDINETNTDLDL FVPTSSSSQLPVTIDSTGILQ QNTNSLTTSSGQVHSSDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQQPTSQAQIVQGITPQT IHGVQASGQNISQQALQNLQLNPGTFLIQAQTVTPSGQVTVQTFQVQGVQNLQNLQIQNTAAQQITLT PVQTLTLGQVAAGGAFSTPVSLSGTGQLPNLQTVTVNSIDSAGIQLHPGENADSPADIRIKEEPEE QLSGDSTLNTNDLTHLRVQVVEEGDQQHQEGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGK VYGKTSHLRAHLRWHSGERPFVCNWMYCGKRFTRSEDELQRHRRHTGKFKFVCPCKRFRMSDHLAKHI KTHQNKGIHSSSTVLASVEAARDTLITAGGTTILANIQQGSVSGIGTVNTSATSNQDILTNTIPLQ LTVVSGNETME
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_003102



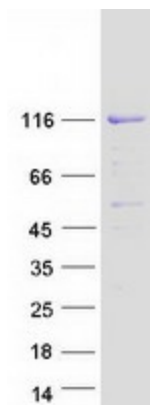
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RefSeq Size:	3920
RefSeq ORF:	2343
Synonyms:	SPR2
Locus ID:	6670
UniProt ID:	Q02447 , Q86TP0
Cytogenetics:	2q31.1

Summary: This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13. [provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified SP3 protein (Cat# [TP322027]). The protein was produced from HEK293T cells transfected with SP3 cDNA clone (Cat# [RC222027]) using MegaTran 2.0 (Cat# [TT210002]).