

Product datasheet for PH305688

SPDEF (NM_012391) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPDEF MS Standard C13 and N15-labeled recombinant protein (NP_036523)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205688
Predicted MW:	37.5 kDa
Protein Sequence:	>RC205688 protein sequence Red=Cloning site Green=Tags(s) MGSASPLSSVSPSHLLLPPDTSRTGLEKAAAGAVGLERRDWSPPATPEQGLSAFYLSYFDMLYPED SSWAAKAPGASSREPPPEEQCPVIDSQAPAGSLDLVPGGLTLEEHSLQVQSMVVEVLKDIETACKL LNITADPMDWSPSNVQKWLWTEHQYRLPPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDIWK SAAWMKERTSPGAIHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLKPHSYGRFIRWLNKEKGIFK IEDSAQVARLWGIKRNRPAMNYDKLSRSIRQYYKKGIIKRPDISQRLVYQFVHPI 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- 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_036523
RefSeq Size:	1914
RefSeq ORF:	1005
Synonyms:	bA375E1.3; PDEF
Locus ID:	25803



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UniProt ID: [O95238](#)

Cytogenetics: 6p21.31

Summary: The protein encoded by this gene belongs to the ETS family of transcription factors. It is highly expressed in the prostate epithelial cells, and functions as an androgen-independent transactivator of prostate-specific antigen (PSA) promoter. Higher expression of this protein has also been reported in brain, breast, lung and ovarian tumors, compared to the corresponding normal tissues, and it shows better tumor-association than other cancer-associated molecules, making it a more suitable target for developing specific cancer therapies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified SPDEF protein (Cat# [TP305688]). The protein was produced from HEK293T cells transfected with SPDEF cDNA clone (Cat# [RC205688]) using MegaTran 2.0 (Cat# [TT210002]).