

Product datasheet for PH305688

OriGene Technologies, Inc.

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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)

MGSASPGLSSVSPSHLLLPPDTVSRTGLEKAAAGAVGLERRDWSPSPPATPEQGLSAFYLSYFDMLYPED SSWAAKAPGASSREEPPEEPEQCPVIDSQAPAGSLDLVPGGLTLEEHSLEQVQSMVVGEVLKDIETACKL LNITADPMDWSPSNVQKWLLWTEHQYRLPPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDIWK SAAWMKERTSPGAIHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFK

IEDSAQVARLWGIRKNRPAMNYDKLSRSIRQYYKKGIIRKPDISQRLVYQFVHPI

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 036523

RefSeq Size: 1914 RefSeq ORF: 1005

Synonyms: bA375E1.3; PDEF

Locus ID: 25803





UniProt ID: <u>095238</u>

Cytogenetics: 6p21.31

Summary: The protein encoded by this gene belongs to the ETS family of transcription factors. It is

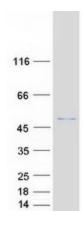
highly expressed in the prostate epithelial cells, and functions as an androgen-independent transactivator of prostate-specific antigen (PSA) promoter. Higher expression of this protein

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]).