

Recombinant Human SPDEF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPDEF-643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPDEF MS Standard C13 and N15-labeled recombinant protein (NP_036523) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	37.5 kDa
AA Sequence	MGSASPLSSVSPSHLLPPDTSRTGLEKAAAGAVGLERRDWSPSPPATPEQGLS AFYLSYFDMLYPEDSSWAAKAPGASSREEPPEEQCPVIDSQAPAGSLDLVPGGL TLEEHSLEQVQSMVVGVELKDIETACKLLNITADPMDWSPSNVQKWLLWTEHQYRL PPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDIWKSAAWMKERTSPGA IHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFKI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	EDSAQVARLWGIRKNRPAMNYDKLSRSIRQYYKKGIIRKPDISQRLVYQFVHPITRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SPDEF SAM pointed domain containing ets transcription factor [Homo sapiens (human)]
Official Symbol	SPDEF
Synonyms	SPDEF; SAM pointed domain containing ets transcription factor; SAM pointed domain-containing Ets transcription factor; bA375E1.3; PDEF; prostate-specific Ets; prostate-derived Ets factor; prostate epithelium-specific Ets transcription factor; RP11-375E1__A.3;
Gene ID	25803
mRNA Refseq	NM_012391
Protein Refseq	NP_036523

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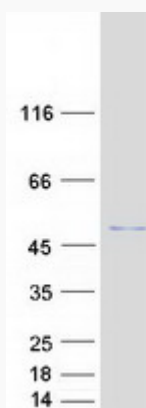
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MIM 608144

UniProt ID O95238

SDS-PAGE



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