

Recombinant Full Length Human SPDEF Protein, C-Flag-tagged

Cat. No. SPDEF-1429HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SPDEF Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.3 kDa
AA Sequence	MGSASPGLSSVSPSHLLPPDTVSRITGLEKAAAGAVGLERRDWSPSPPATPEQGLS AFYLSYFDMLYPED SSWAAKAPGASSREEPPEEPEQCPVIDSQAPAGSLDLVPGGL TLEEHSLEQVQSMVVGEVLKDIETACKL LNITADPMDWSPSNVQKWLLWTEHQYRL PPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDIWK SAAWMKERTSPG

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AIHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLKPHSYGRFIRWLNKEKGIF
K
IEDSAQVARLWGIRKNRPAMNYDKLSRSIRQYYKKGIIKPDISQRLVYQFVHPITRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	SPDEF SAM pointed domain containing ETS transcription factor [Homo sapiens (human)]
Official Symbol	SPDEF
Synonyms	PDEF; bA375E1.3
Gene ID	25803

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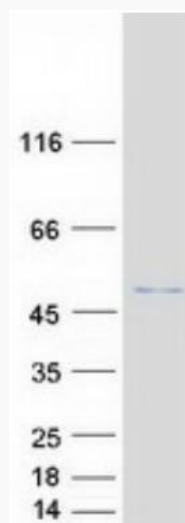
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mRNA Refseq [NM_012391.3](#)

Protein Refseq [NP_036523.1](#)

MIM [608144](#)

UniProt ID [O95238](#)



Coomassie blue staining of purified SPDEF protein.

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