

## Product datasheet for **TP305688M**

### SPDEF (NM\_012391) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human SAM pointed domain containing ets transcription factor (SPDEF), 100 µg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC205688 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MGSASPLSSVSPSHLLPPDVTVSRTGLEKAAAGAVGLERRDWSPSPATPEQGLSAFYLSYFDMLYPED<br>SSWAAKAPGASSREEPPEEQCPVIDSQAPAGSLDLVPGGLTLEEHSLQVQSMVVGVLKDIETACKL<br>LNITADPMDWSPSNVQKWLLWTEHQYRLPPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDI<br>WK<br>SAAWMKERTSPGAIHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFK<br>IEDSAQVARLWGIRKNRPAMNYDKLSRSIRQYYKKGIIRKPDISQRLVYQFVHPI<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 37.3 kDa  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| RefSeq:                               | <u>NP_036523</u>  |



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Locus ID: 25803

UniProt ID: [O95238](#)

RefSeq Size: 1914

Cytogenetics: 6p21.31

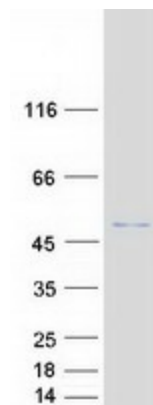
RefSeq ORF: 1005

Synonyms: bA375E1.3; PDEF

**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]).