

## Product datasheet for **TP315243M**

### **SAMD4A (NM\_015589) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human sterile alpha motif domain containing 4A (SAMD4A), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC215243 representing NM\_015589

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MFRDQVGVLAGWFKGWNECEQTVALLSLLKRVSQTQARFLQLCLEHSLADCAELHVLEREANSPGIINQW  
QQESKDKVISLLLTHLPLLKPGNLDKVEYMKLLPKILAHSEHNQHIEESRQLLSYALIHPTSLEDRS  
ALAMWLNHLEDRTSTSFGGQNRGRSDSVYDYGQTHYYHQRQNSDDKLNQWQNSRDGICINASNWQDKSMG  
CENGHVPLYSSSVPTTINTIGTSTSTILSGQAHHSPLKRSVSLTPPMNVPNQPLGHGWMESHEDLRARGP  
QCLPSDHAPLSPQSSVASSGSGGSEHLEDQTTARNTFQEEGSGMKDVPAWLKSRLRHKYAALFSQMTYEE  
MMALTECQLEAQNVTKGARHKIVISIQKLKERQNLLKSLERDIIEGGSLRIPLQELHQMILTPIKAYSSP  
STTPEARRREPQAPRQPSLMGPESQSPDCKDGAATGATATPSAGASGGLQPHQLSSCDGELAVAPLPEG  
DLPGQFTRVMGKVCTQLLVSRPDEENISSYLQLIDKCLIEAFTETQKKRLLSWKQQVQKLFRSFPRKTL  
LDISGYRQQRNRGFGQSNLPTAGSVGGMGRRNPRQYQIPSRNVPSARLGLLGTSGFVSSNQNRNTTATP  
TIMKQGRQNLWFANPGGSNSMPSRTHSSVQRTRSLPVHTSPQNMLMFQQPEFQLPVTEPDINNRLSLCL  
SMTEHALGDGVDRTSTI

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 79.1 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.

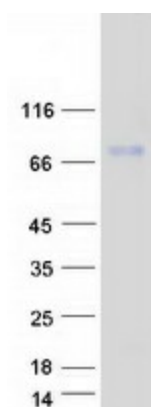
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_056404</u>
<b>Locus ID:</b>	23034
<b>UniProt ID:</b>	<u>Q9UPU9</u>
<b>RefSeq Size:</b>	2356
<b>Cytogenetics:</b>	14q22.2
<b>RefSeq ORF:</b>	2151
<b>Synonyms:</b>	SAMD4; SMAUG; SMAUG1; SMG; SMGA
<b>Summary:</b>	Sterile alpha motifs (SAMs) in proteins such as SAMD4A are part of an RNA-binding domain that functions as a posttranscriptional regulator by binding to an RNA sequence motif known as the Smaug recognition element, which was named after the <i>Drosophila</i> Smaug protein (Baez and Boccaccio, 2005 [PubMed 16221671]).[supplied by OMIM, Mar 2008]

### Product images:



Coomassie blue staining of purified SAMD4A protein (Cat# [TP315243]). The protein was produced from HEK293T cells transfected with SAMD4A cDNA clone (Cat# [RC215243]) using MegaTran 2.0 (Cat# [TT210002]).