

## Product datasheet for **TP318475M**

### OSGIN1 (NM\_013370) Human Recombinant Protein

#### Product data:

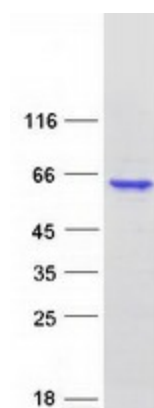
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human oxidative stress induced growth inhibitor 1 (OSGIN1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218475 representing NM_013370 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MGKWRPRGCCRGNMQCRQEV PATLTSSSELFSTRNQPPQPQPLLADAPVPWAVASRMCLTPGQGCQHQQGQ DEGPLPAPSPPPAMSSSRKDHLGASSEPLVIVGNPSPGICLSYLLSGYTPYTKPDAIHPHPLLQRKL TEAPGVSILDQDL DYLSEGLEGRSQSPVALLFDALLRPD TDFGGNMKSVL TWKHRKEHAIPHVVLGRNLP GGAWHSIEGSMVILSQGQWMGLPDLEV KDW MQKRRRLRNSRATAGDIAHYRDYVVKGLGHN FVSGAV VTAVEWGTPDPSSCGAQDSSPLFQVSGFLTRNQAQQP FSLWARNVVLATGTFD SPARLGIPGEALPFIHH ELSALEAATRVGAVTPASDPVLIIGAGLSAADAVLYARHYNIPVIHAFRRVDDPGLVFNQLPKMLYPEY HKVHQQMMREQSILSPSPYEGYRSLPRHQLLCFKEDCQAVFQDLEGVEKVFVSVLVLVIGSHPDLSFLPG AGADFAVDPDQPLSAKRNPIDVDPFTYQSTRQEGLYAMGPLAGDNFVRFVQGGALAVASSLLRKETR KPP  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	60.7 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>	<a href="#">NP_037502</a>
<b>Locus ID:</b>	29948
<b>UniProt ID:</b>	<a href="#">Q9UJX0</a>
<b>RefSeq Size:</b>	2400
<b>Cytogenetics:</b>	16q23.3
<b>RefSeq ORF:</b>	1680
<b>Synonyms:</b>	BDGI; OKL38
<b>Summary:</b>	This gene encodes an oxidative stress response protein that regulates cell death. Expression of the gene is regulated by p53 and is induced by DNA damage. The protein regulates apoptosis by inducing cytochrome c release from mitochondria. It also appears to be a key regulator of both inflammatory and anti-inflammatory molecules. The loss of this protein correlates with uncontrolled cell growth and tumor formation. Naturally occurring read-through transcription exists between this gene and the neighboring upstream malonyl-CoA decarboxylase (MLYCD) gene, but the read-through transcripts are unlikely to produce a protein product. [provided by RefSeq, Aug 2011]

### Product images:



Coomassie blue staining of purified OSGIN1 protein (Cat# [TP318475]). The protein was produced from HEK293T cells transfected with OSGIN1 cDNA clone (Cat# [RC218475]) using MegaTran 2.0 (Cat# [TT210002]).