

# Recombinant Human OSGIN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** OSGIN1-1723H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	OSGIN1 MS Standard C13 and N15-labeled recombinant protein (NP_037502) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	60.7 kDa
<b>AA Sequence</b>	MGKWRPRGCCRGNMQCRQEVPATLTSSSELFSTRNQPPQPQPLLADAPVPWAVA SRMCLTPGGQCGHQGQDEGPLPAPSPPPAMSSSRKDHLGASSEPLPVIIVGNP SGICLSYLLSGYTPYTKPDAIHPHPLLQRKLTEAPGVSILDQDLDYLSEGLEGRSQSP VALLFDALLRPDTRDFGGNMKSVLTWKHRKEHAIPHVVLGRNLPGGAWHSIEGSMVIL SQGQWMGLPDLEVKDWMQKRRGLRNSRATAGDIAHYRDYVVKKGLGHNFVSG

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

AVVTAVEWGTDPDPSSCGAQDSSPLFQVSGFLTRNQAQQPFSLWARNVVLATGTFD  
 SPARLGIPGEALPFIHHELSALEAATR VGAVTPASDPVLIIGAGLSAADAVLYARHYNI  
 PVIHAFRRRAVDDPGLVFNQLPKMLYPEYHKVHQMREQSILSPSPYEGYRSLPRHQ  
 LLCFKEDCQAVFQDLEGVEKVFVSLVVLIGSHPDLSFLPGAGADFAVDPDQPLSA  
 KRNPIDVDPFTYQSTRQEGLYAMGPLAGDNFVRFVQGGALAVASSLLRKETRKPPT  
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

<b>Gene Name</b>	OSGIN1 oxidative stress induced growth inhibitor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	OSGIN1
<b>Synonyms</b>	OSGIN1; oxidative stress induced growth inhibitor 1; oxidative stress-induced growth inhibitor 1; BDGI; bone marrow stromal cell derived growth inhibitor; OKL38; pregnancy induced growth inhibitor; ovary, kidney and liver protein 38; pregnancy-induced growth inhibitor OKL38; bone marrow stromal cell-derived growth inhibitor;
<b>Gene ID</b>	29948

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

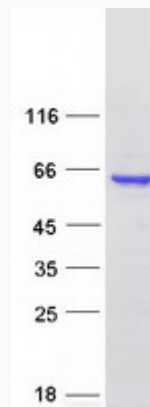
mRNA Refseq [NM\\_013370](#)

Protein Refseq [NP\\_037502](#)

MIM [607975](#)

UniProt ID [Q9UJX0](#)

SDS-PAGE



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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