

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

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

SPECIFICATION

Product Overview	OSGIN1 MS Standard C13 and N15-labeled recombinant protein (NP_037502) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	60.7 kDa
AA Sequence	MGKWRPRGCCRGNMQCRQEVPATLTSSSELFSTRNQPQPQPQPLLADAPVPWAVA SRMCLTPGQGCGHQGQDEGLPAPSPPPAMSSSRKDHLGASSEPLPVIIVGNP SGICLSYLLSGYTPYTKPDAIHHPHLLQRKLTEAPGVSILDQDL DYLSEGLEGRSQSP VALLFDALLRPD TDFGGNMKSVLTWKHRKEHAIPHVVLGRNLPGGAWHSIEGSMVIL SQGQWMGLPDLEV KDW MQKKRRGLRNSRATAGDIAHYRDYVVKGLGHNFVSG

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AVVTAVEWGTPDPSSCGAQDSSPLFQVSGFLTRNQAQQPFSLWARNVVLATGTFD
 SPARLGIPGEALPFIHHELSALEAATRVGAVTPASDPVLIIGAGLSAADAVLYARHYNI
 PVIHAFRRRAVDDPGLVFNQLPKMLYPEYHKVHQQMMREQSILSPSPYEGYRSLPRHQ
 LLCFKEDCQAVFQDLEGVEKVFGVSLVLVLIGSHPDLSFLPGAGADFAVDPDQPLSA
 KRNPIDVDPFTYQSTRQEGLYAMGPLAGDNFVRFVQGGALAVASSLLRKETRKPPT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OSGIN1 oxidative stress induced growth inhibitor 1 [Homo sapiens (human)]

Official Symbol OSGIN1

Synonyms 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;

Gene ID 29948

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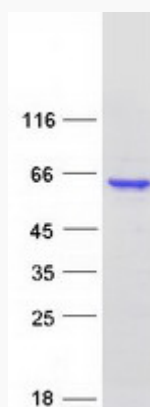
mRNA Refseq NM_013370

Protein Refseq NP_037502

MIM 607975

UniProt ID Q9UJX0

SDS-PAGE



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