

Product datasheet for PH318475

OSGIN1 (NM_013370) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OSGIN1 MS Standard C13 and N15-labeled recombinant protein (NP_037502)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218475
Predicted MW:	60.7 kDa
Protein Sequence:	>RC218475 representing NM_013370 Red=Cloning site Green=Tags(s)

MGKWRPRGCCRGNMQCRQEVPTLTSSSELFSTRNQPPQPQPLLADAPVPWAVASRMCLTPGQCGHQGQ
DEGPLPAPSPPPAMSSSRKDHLGASSSEPLPVII VGNP SGICLSYLLSGYTPYTKPDAIHPHLLQRKL
TEAPGVSILDQDL DY LSEGLEGRSQSPVALLFDALLRPD TDFGGNMKSVL TWKHRKEHAIPHVVLGRNLP
GGAWHSIEGSMVILSQGQWMGLPDLEV KDW MQKRRRLNSRATAGDIAHYRDYVVKKGLGHN FVSGAV
VTAVEWGTPDPSSCGAQDSSPLFQVSGFLTRNQAQQPFSLWARNVVLATGTFD SPARLGIPGEALPF IHH
ELSALEAATRVGAVTPASDPVLIIGAGLSAADAVLYARHYNIPVIHAFRRVDDPGLVFNQLPKMLYPEY
HKVHQMMREQSILSPSPYEGYRSLPRHQLLCKEDCQAVFQDLEGVEKVFVGVSLVVLIGSHPDLSFLPG
AGADFVDPDQPLSAKRNPIDVDPFTYQSTRQEGLYAMGPLAGDNFVRFVQGGALAVASSLLRKETR KPP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_037502</u>
RefSeq Size:	2400
RefSeq ORF:	1680



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Synonyms: BDGI; OKL38

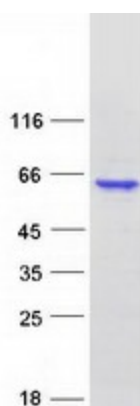
Locus ID: 29948

UniProt ID: [Q9UJX0](#)

Cytogenetics: 16q23.3

Summary: 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]).