Recombinant Human OSGIN1 Protein, His-tagged

Cat. No. OSGIN1-409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OSGIN1(Gly25~Val281) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly25~Val281
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	31.7kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	OSGIN1 oxidative stress induced growth inhibitor 1 [Homo sapiens]
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
mRNA Refseq	NM_182981
Protein Refseq	NP_892026
MIM	607975

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UniProt ID	Q9UJX0

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