

## Recombinant Human OSGIN1 Protein, His-tagged

OSGIN1-409H Human

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.

**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.

**Source** E. coli

**Species** Human

**Tag** His

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 31.7kDa

**Protein length** Gly25~Val281

**Endotoxin** <1.0EU per 1µg (determined by the LAL method)

**Purity** >95%

**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](#)

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**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](#)

**UniProt ID** [Q9UJX0](#)

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