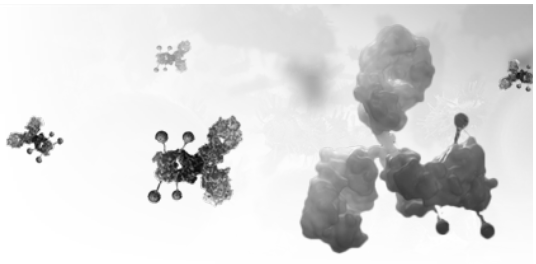

Human OS9 peptide (DAG-P1849)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is highly expressed in osteosarcomas. This protein binds to the hypoxia-inducible factor 1 (HIF-1), a key regulator of the hypoxic response and angiogenesis, and promotes the degradation of one of its subunits. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitously expressed. Found as well in all tumor cell lines analyzed, amplified in sarcomas. Highly expressed in osteosarcoma OSA-CL and rhabdomyosarcoma RH30 cell lines. Isoform 2 is the major isoform detected in all cell types examined.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the OS-9 family.Contains 1 PRKCSH domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	OS9 osteosarcoma amplified 9, endoplasmic reticulum lectin [Homo sapiens (human)]
Official Symbol	OS9
Synonyms	OS9; osteosarcoma amplified 9, endoplasmic reticulum lectin; OS-9; ERLEC2; protein OS-9; erlectin 2; amplified in osteosarcoma 9; endoplasmic reticulum lectin 2; osteosarcoma amplified 9, endoplasmic reticulum associated protein;

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Entrez Gene ID	10956
mRNA Refseq	NM_001017956.2
Protein Refseq	NP_001017956.1
UniProt ID	Q13438
Chromosome Location	12q13
Pathway	HRD1/SEL1 ERAD complex, organism-specific biosystem; HRD1/SEL1 ERAD complex, conserved biosystem; Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	glycoprotein binding; protease binding; protein binding;

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