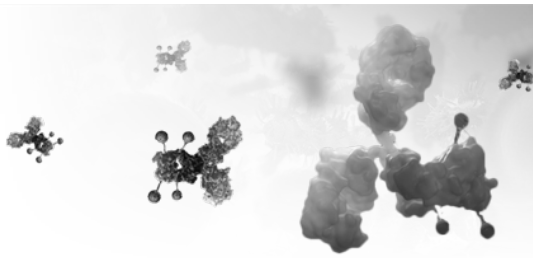

GLRX peptide (DAG-P1569)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the glutaredoxin family. The encoded protein is a cytoplasmic enzyme catalyzing the reversible reduction of glutathione-protein mixed disulfides. This enzyme highly contributes to the antioxidant defense system. It is crucial for several signalling pathways by controlling the S-glutathionylation status of signalling mediators. It is involved in beta-amyloid toxicity and Alzheimers disease. Multiple alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Aug 2011]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the glutaredoxin family.Contains 1 glutaredoxin 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	GLRX glutaredoxin (thioltransferase) [Homo sapiens (human)]
Official Symbol	GLRX
Synonyms	GLRX; glutaredoxin (thioltransferase); GRX; GRX1; glutaredoxin-1; TTase-1; thioltransferase-1;
Entrez Gene ID	2745
mRNA Refseq	NM_001118890.1
Protein Refseq	NP_001112362.1

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UniProt ID	P35754
Chromosome Location	5q14
Pathway	Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Synthesis and interconversion of nucleotide di- and triphosphates, organism-specific biosystem; ascorbate recycling (cytosolic), organism-specific biosystem; ascorbate recycling (cytosolic), conserved biosystem;
Function	electron carrier activity; glutathione disulfide oxidoreductase activity; protein N-terminus binding; protein disulfide oxidoreductase activity;

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