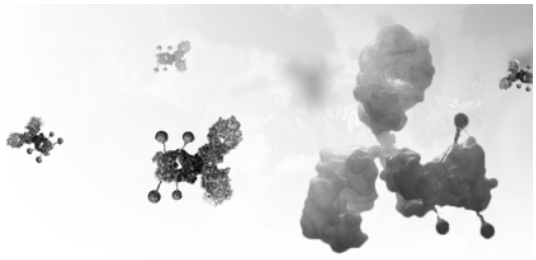

EIF-2GAMMA peptide (DAG-P0704)

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

PRODUCT INFORMATION

Antigen Description	Histone-lysine N-methyltransferase, H3 lysine-9 specific. Major histone methyltransferase. Methylates Lys-9 of histone H3. H3 Lys-9 methylation represents a specific tag for epigenetic transcriptional repression by recruiting Su(var)205/HP1 to methylated histones. Seems to be involved in heterochromatic gene silencing including the modification of position-effect-variegation. There are three isoforms, isoform A and isoform B share the first 80 amino acid residues. Experimental confirmation may be lacking for some isoforms.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
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	eIF-2gamma Eukaryotic initiation factor 2gamma [Drosophila melanogaster (fruit fly)]
Official Symbol	EIF-2GAMMA
Synonyms	EIF-2GAMMA; Eukaryotic initiation factor 2gamma; 51kDa protein; CG43665; CG6476; Dmel\CG43665; eIF-2G; eIF2G; eIF2gamma; CG43665-PB; CG43665-PC; CG43665-PD; eIF-2gamma-PB; eIF-2gamma-PC; eIF-2gamma-PD; eukaryotic initiation factor 2gamma; gamma subunit of the translation initiation factor eIF2;
Entrez Gene ID	41843

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mRNA Refseq	NM_001275658.1
Protein Refseq	NP_001262587.1
UniProt ID	Q24208
Chromosome Location	88E6-88E8
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem; L13a-m
Function	GTP binding; GTPase activity;

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