



Human EEF1A2 peptide (DAG-P1530)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 2) is expressed in brain, heart and skeletal muscle, and the other isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas. This gene may be critical in the development of ovarian cancer. [provided by RefSeq, Mar 2014]
Specificity	Brain, heart, and skeletal muscle.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.
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	EEF1A2 eukaryotic translation elongation factor 1 alpha 2 [Homo sapiens (human)]
Official Symbol	EEF1A2
Synonyms	EEF1A2; eukaryotic translation elongation factor 1 alpha 2; HS1; STN; EF1A; STNL; EEF1AL; EF-1-alpha-2; elongation factor 1-alpha 2; statin-S1; eukaryotic elongation factor 1 A-2;
Entrez Gene ID	1917

mRNA Refseq	NM_001958.3
Protein Refseq	NP_001949.1
UniProt ID	Q05639
Chromosome Location	20q13.3
Pathway	Eukaryotic Translation Elongation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; Metabolism of proteins, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Translation, organism-specific biosystem; Translation Factors, organism-specific biosystem;
Function	GTP binding; GTPase activity; translation elongation factor activity; translation factor activity, nucleic acid binding;