



Human NFE2L2 peptide (DAG-P0853)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Specificity	Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the bZIP family. CNC subfamily. Contains 1 bZIP 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	NFE2L2 nuclear factor, erythroid 2-like 2 [Homo sapiens (human)]
Official Symbol	NFE2L2
Synonyms	NFE2L2; nuclear factor, erythroid 2-like 2; NRF2; nuclear factor erythroid 2-related factor 2; HEBP1; NFE2-related factor 2; NF-E2-related factor 2; nuclear factor erythroid-derived 2-like 2; nuclear factor (erythroid-derived 2)-like 2; nuclear factor, erythroid derived 2, like 2;

Entrez Gene ID	4780
mRNA Refseq	NM_001145412.2
Protein Refseq	NP_001138884.1
UniProt ID	Q16236
Chromosome Location	2q31
Pathway	AhR pathway, organism-specific biosystem; Keap1-Nrf2 Pathway, organism-specific biosystem; Oxidative Stress, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Selenium Metabolism and Selenoproteins, organism-specific biosystem;
Function	DNA binding; RNA polymerase II activating transcription factor binding; protein binding; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;