

Nrf1 protein

Catalog No :	YD0125
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	NRF1
Protein Name :	Nrf1 protein
Sequence :	Amino acid: 40-279, with his-MBP tag.
Human Gene Id :	4899
Human Swiss Prot No :	Q16656
Mouse Swiss Prot No :	Q9WU00
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20 °C/6 month,-80 °C for long storage
Background :	function:Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication.,PTM:Phosphorylation enhances DNA binding.,similarity:Belongs to the NRF1/Ewg family.,subunit:Homodimer. Binds DNA as a dimer. Interacts with PPRC1.,tissue specificity:Ubiquitously expressed with strongest expression in skeletal muscle.,
Function :	generation of precursor metabolites and energy, transcription, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II

promoter, mitochondrion organization, regulation of transcription, regulation of RNA metabolic process,

Subcellular**Location :**

Nucleus.

Expression :

Ubiquitously expressed with strongest expression in skeletal muscle.

Products Images

