

## Nrf1 protein

<b>Catalog No :</b>	YD0125
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;SDS-PAGE
<b>Gene Name :</b>	NRF1
<b>Protein Name :</b>	Nrf1 protein
<b>Sequence :</b>	Amino acid: 40-279, with his-MBP tag.
<b>Human Gene Id :</b>	4899
<b>Human Swiss Prot No :</b>	Q16656
<b>Mouse Swiss Prot No :</b>	Q9WU00
<b>Formulation :</b>	Liquid in PBS
<b>Source :</b>	E.coli
<b>Dilution :</b>	WB 1:500-2000
<b>Concentration :</b>	SDS-PAGE >90%
<b>Storage Stability :</b>	-20 °C/6 month,-80 °C for long storage
<b>Background :</b>	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.,
<b>Function :</b>	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

