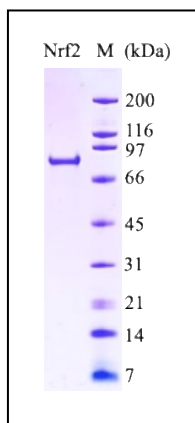


Recombinant Nrf2 Protein

Catalog Number	Size
AG1133-10	10ug
AG1133-25	25ug
AG1133-B	Bulk

Description



The nuclear factor erythroid-related factor 2 (Nrf2) protein was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 625 (20+605) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 80kDa.

MGSSHHHHHHSSGLVPRGSHMMDLELPPGLPSQQDMDLIDILWRQDIDL
GVSREVFDFSQRRKEYELEKQKKLEKERQEQLQKEQEKAFFAQLQLDEET
GEFLPIQPAQHIQSETSGSANYSQVAHI PKSDALYFDDCMQLLAQTFFV
DDNEVSSATFQSLVPDIPGHIESPVFIATNQAQSPETSVAQVAPVDLDGM
QQDIEQVWEELLSIPELQCLNIENDKLVEETMVPSPPEAKLTEVDNYHFYS
SIPSMKEKEVGNCSPHFLNAFEDSFSSILSTEDPNQLTVNSLNSDATVNTD
FGDEFYSAFIAEPSISNSMPSPATLSHSLSELLNGPIDVSDLSLCKAFNQ
NHPESTAEFNDSDSGISLNTSPSVASPEHSVESSSYGDTLLGLSDSEVEE
LDSAPGSVKQNGPKTPVHSSGDMVQPLSPSQGQSTHVHDAQCENTPEKEL
PVSPGHRKTPFTKDKHSSRLAHLTRDELRAKALHIPFPVEKIIINLPVVD
FNECMSKEQFNEAQLALIRDIRRGKNKVAAQNCRRKLENIVELEQDLD
HLKDEKEKLLKEKGENDKSLHLLKKQLSTLYLEVFSMLRDEDGKPYSPSE
YSLQQTRDGNVFLVPKSKKPDVKKN-

Accession Number NM_006164

Molecular Mass Approximately 80kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The Nrf2 protein is a transcription regulator that regulates genes containing antioxidant response elements (ARE) involved in response to injury and inflammation. The recombinant Nrf2 protein can be used for the studies of transcription assays, protein-protein interactions, and other related function assays.

Formulation 20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!