

NRF2, 1-605aa, Human, His tag, E.coli

Cat.NO.: TP03196

3th Edition

Synonyms:Nuclear factor (erythroid-derived 2)-like 2, NFE2L2

Description:Nuclear factor (erythroid-derived 2)-like 2, also known as NRF2, is bZIP transcription factors that heterodimerize with Maf proteins to bind Mare sequences. The NRF proteins also bind the antioxidant response element (ARE) and are implicated in the regulation of detoxification enzymes and the oxidative stress response. NRF2 is widely expressed and is thought to translocate to the nucleus after treatment with xenobiotics and antioxidants, which stimulate its release from its repressor protein, Keap1. Recombinant human NRF2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol

Molecular Weight:69.9kDa (625aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMMDLELPPPGPLPSQQDMDLIDILWRQDIDLGVSREVFDFSQRRKEYELEKQKKLE
KERQEQLQKEQEKAFFAQLQLDEETGEFLPIQPAQHIQSETSGSANYSQVAHIPKSDALYFDDCMQLLAQTFFPFVD
DNEVSSATFQSLVPDIPGHIESPVFIATNQAQSPETSVAQVAPVDLDGMQQDIEQVWEELLSIPELQCLNIENDKLVE
TTMVPSPEAKLTEVDNYHFYSSIPSMEKEVGNCSPHFLNAFEDSFSSILSTEDPNQLTVNSLNSDATVNTDFGDEFY
SAFIAEPSISNSMPSPATLSHLSSELLNGPIDVSDLSLCKAFNQNHPESTAEFNDSDSGISLNTSPSVASPEHSV
SYGDTLLGLSDSEVEELDSAPGSVKQNGPKTPVHSSGDMVQPLSPSQGQSTHVHDAQCENTPEKELPVSPGHRK
TPFTKDKHSSRLEAHLTRDELRAKALHIPFPVEKIINLPVVDNFEMMSKEQFNEAQLALIRDIRRRGKNKVAQAQNCRK
RKLENIVELEQDLHLKDEKEKLLKEKGENDKSLHLLKKQLSTLYLEVFSMLRDEDGKPYSPSEYSLQQTRDGNVFL
VPKSKKPDVKKN

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.