
Product Data Sheet

Product Name: NFE2L2 Human

Cat. No.: GP24033

Batch No.: 1

Product Data

| | | | |
|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | NFE2L2; Nuclear factor erythroid 2-related factor 2; NF-E2-related factor 2; NFE2-related factor 2; HEBP1; Nuclear factor; erythroid derived 2; like 2; NRF2. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSHMMDLELPPPG LPSQQDMDLI DILWRQDIDL GVSREVFDFS QRRKEYELEK QKKLEKERQE QLQKEQEKAF FAQLQLDEETGEFLPIQPAQ HIQSETSGSA NYSQVAHIPK SDALYFDDCM QLLAQTFFV DDNEVSSATF QSLVPDIPGHIESPVFIATN QAQSPETSVA QVAPVDLDGM QQDIEQVWEE LLSIPELQCL NIENDKLVET TMVPSPEAKLTEVDNYHFYS SIPSMEKEVG NCSPHFLNAF EDSFSSILST EDPNQLTVNS LNSDATVNTD FGDEFYSAFIAEPSISNSMP SPATLSHSL ELLNGPIDVS DLSLCKAFNQ NHPESTAEFN DSDSGISLNT SPSVASPEHSVSSSYGDTL LGLSDSEVEE LDSAPGSVKQ NGPKTPVHSS GDMVQPLSPS QGQSTHVHDA QCENTPEKEL PVSPGHRKTPFTKDKHSSRL EAHLTRDELAKALHIPFPV EKIINLPVVD FNEMMSKEQF NEAQLALIRD IRRRGKNKVAAQNCRRKLE NIVELEQDL HLKDEKEKLL KEKGENDKSL HLLKKQLSTL YLEVFSMLRD EDGKPYSPSE YSLQQTRDGNVFLVPKSKKP DVKKN. | | |
| Formulation | NFE2L2 protein solution (0.25mg/ml) in Phosphate buffered saline (pH 7.4) containing 10% glycerol. | | |

Introduction

Nuclear factor (erythroid-derived 2)-like 2 (NRF2) is a bZIP transcription factor which heterodimerizes with Maf proteins to bind MARE sequences. In addition, the NRF proteins bind the antioxidant response element (ARE) and are associated with the regulation of detoxification enzymes and the oxidative stress response. NRF2 is extensively expressed

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

and is assumed to translocate to the nucleus after treatment with xenobiotics and antioxidants, which stimulate its release from its repressor protein, Keap1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NFE2L2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 625 amino acids (1-605 a.a) and having a molecular mass of 69.9kDa. NFE2L2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA