9051 Mira Mesa Blvd, #910094
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NFE2L2 Human

Nuclear Factor Erythroid 2-Like 2 Human Recombinant
RCP1486

Product Overview

Name	NFE2L2 Human
Description	
Nuclear Factor Erythroid 2-Like 2 Human Recombinant	
Accession (Primary)	Q16236
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.	
Introduction	
Nuclear factor (erythroid-derived 2)-like 2 (NRF2) is bZIP transcription factors which heterodimerize 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 and is assumed to translocate to the nucleus after treatment with xenobiotics and antioxidants, which stimulate its release from its repressor protein, Keap1.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
NFE2L2 protein solution (0.25mg/ml) in Phosphate buffer saline (pH 7.4) containing 10% glycerol.	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MMDLELPPPG LPSQQDMDLI DILWRQDIDL GVSREVFDFS QRRKEYELEK QKKLEKERQE QLQKEQEKAF FAQLQLDEET GEFLPIQPAQ HIQSETSGSA NYSQVAHIPK SDALYFDDCM QLLAQTFPFV DDNEVSSATF QSLVPDIPGH IESPVFIATN QAQSPETSVA QVAPVDLDGM QQDIEQVWEE	

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LLSIPELQCL NIENDKLVET TMVPSPEAKL TEVDNYHFYS SIPSMEKEVG NCSPHFLNAF EDSFSSILST EDPNQLTVNS LNSDATVNTD FGDEFYSAFI AEPSISNSMP SPATLSHSLS ELLNGPIDVS DLSLCKAFNQ NHPESTAEFN DSDSGISLNT SPSVASPEHS VESSSYGDTL LGLSDSEVEE LDSAPGSVKQ NGPKTPVHSS GDMVQPLSPS QGQSTHVHDA QCENTPEKEL PVSPGHRKTP FTKDKHSSRL EAHLTRDELR AKALHIPFPV EKIINLPVVD FNEMMSKEQF NEAQLALIRD IRRRGKNKVA AQNCRKRKLE NIVELEQDLD HLKDEKEKLL KEKGENDKSL HLLKKQLSTL YLEVFSMLRD EDGKPYSPSE YSLQQTRDGN VFLVPKSKKP DVKKN.

Precautions

NFE2L2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16236)