

Human TXNRD1 Recombinant Protein



RPPB2357

Product Information Protein Information

Product SKU:

RPPB2357

Accession:

Q16881

Host:

Escherichia Coli.

Protein description:

TXNRD1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 508 amino acids (161-647 a.a.) and having a molecular mass of 55.7 kDa. TXNRD1 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Thioredoxin reductase 1 cytoplasmic, TR, GRIM-12, Gene associated with retinoic and IFN-induced mortality 12 protein, KM-102-derived reductase-like factor, Thioredoxin reductase TR1, TXNRD1, GRIM12, KDRF, TR1, TXNR, TRXR1, MGC9145.

Formulation:

TXNRD1 Human solution (0.5mg/ml) containing 1x PBS pH-7.4 & 10% glycerol.

Purity:

Greater than 90% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MYDYDLIIIG GSGGLAAAK EAAQYGKKVM VLDFVTPTPL GTRWGLGGTC
VNVGCIKPKL MHQAALLGQALQDSRNYGWK VEETVKHDWD RMIEAVQNH I GSNLWGYRVA LREKKVYEN
AYGQFIGPHR IKATNNGKKE KIYSAERFLI ATGERPRYL GIPGDKEYCIS SDDLFLPYC PGKTLVVGAS
YVALECAGFL AGIGLDVTVM VRSILLRGFD QDMANKIGEH MEEHGIK FIR QFVPIKVEQIEAGTPGRLRV
VAQSTNSEEI IEGEYNTVML AIGRDACTRK IGLETGVKI NEKTGKIPVT DEEQTNVPYI YAIGDILEDK
VELTPVAIQAGRLLAQRLYA GSTVKCDYEN VPTTVFTPLE YGACGLSEEK AVEKFG EENI EVYHSYFWPL
EWTIPSRDNN KCYAKIICNT KDNERVVGFH VLGPNAGEVT QGFAAALKCG LTKKQLDSTI GIHPVCAE VF
TTL SVTKRSG ASILQAGC.

Biological Activity:

Specific activity is > 15 units/mg, and was measured in a coupled assay with 5,5'-Dithiobis(2-nitrobenzoic acid)(DTNB) and NADPH. The amount of TNB generated by NADPH was measured in absorbance at 412 nm.