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TXNRD1, 161-647aa, Human, His tag, E.coli

产品货号: TP04360

第三版

别名: GRIM-12, MGC9145, TR, TR1, TRXR1, TXNR, Thioredoxin reductase 1 Gene associated with retinoid IFN induced mortality 12 protein, GRIM 12, GRIM12, KDRF, KM 102 derived reductase like factor, MGC9145, Oxidoreductase

描述: TXNRD1, also known as Thioredoxin reductase 1, is a part of a selenium-containing pyridine nucleotide-disulphide oxidoreductase family, which has a conserved catalytic site of Cys-Val-Asn-Val-Gly-Cys. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. Inhibition of TXNRD1 activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases. Recombinant human TXNRD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol

分子量: 55.7 kDa (508aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMYDYDLIIIGGSGGLAAAKEAAQYGKKVMVLDVFTPTPLGTRWGLGGTCVNVGCIPK
KLMHQAALLGQALQDSRNYGWKVEETVKHDWDRMIEAVQNHIGSLNWGYRVALREKKVYENAYGQFIGPHRIKAT
NNKGKEKIYSAERFLIATGERPRYLGPDKKEYCISDDLFLSPYCPGKTLVVGASYVALECAFLAGIGLDVTVMVRSILLRG
FDQDMANKIGEHEMEEHGIFIRQFVPIKVEQIEAGTPGRLRVVAQSTNSEEIIEGEYNTVMLAIGRDACTRKIGLETVGVKI
NEKTGKIPVTDEEQTNVPYIYAIGDILEDKVELTPVAIQAGRLLAQRLYAGSTVKCDYENVPTTVFTPLEYGACGLSEEKAV
EKFGREENIEVYHSYFWPLEWTIPSRDNNKCYAKIICNTKDNERVVGFHVLGPNAGEVTQGFAAALKCGLTKKQLDSTIGI
HPVCAEVFTTLSVTKRSGASILQAGC

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.