

Human recombinant protein TXNRD1
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Catalog # PBV10567r**Specification****Human recombinant protein TXNRD1 - Product info**

Primary Accession	Q16881
Concentration	0.5
Calculated MW	55.7 kDa KDa

Human recombinant protein TXNRD1 - Additional Info

Gene ID	7296
Gene Symbol	TXNRD1
Other Names	
Thioredoxin Reductase, GRIM-12, MGC9145, TR, TR1, TRXR1, TXNR.	

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSSLVPRGSH MYDYDLIIG GGSGGLAAAK EAAQYGKKVM VLDFVTPTPL GTRWGLGGTC VNVGCIPKKL MHQAALLGQA LQDSRNYGWK VEETVKHDWD RMIEAVQNHI GSLNWGYRVA LREKKVYYEN AYGQFIGPHR IKATNNKGKE KIYSAERFLI ATGERPRYL IPGDKEYCIS SDDLFSLPYC PGKTLVVGAS YVALECAGFL AGIGLDVTVM VRSILLRGFD QDMANKIGEH MEEHGIKFIR QFVPIKVEQI EAGTPGRLRV VAQSTNSEEI IEGEYNTVML AIGRDACTRK IGLETGVVKI NEKTGKIPVT DEEQTNVPYI YAIGDILEDK VELTPVAIQA GRLLAQRLYA GSTVKCDYEN VPTTVFTPLE YGACGLSEEK AVEKFGEENI EVYHSYFWPL EWTIPSRDNN KCYAKIICNT KDNERVVGFI VLGPNAGEVT QGFAAALKCG LTKKQLDSTI GIHPVCAEVF TTLSVTKRSG ASILQAGC

Format
Liquid**Storage**
-80°C; 0.5 mg/ml solution in PBS (pH 7.4) containing 10% glycerol.**Human recombinant protein TXNRD1 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein TXNRD1 - Images

Human recombinant protein TXNRD1 - Background

Thioredoxin reductase 1, cytoplasmic is an enzyme that in humans is encoded by the TXNRD1 gene. This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Inhibition of TXNRD1 activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases

Human recombinant protein TXNRD1 - References

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Rundloef A.-K.,et al.Free Radic. Biol. Med. 36:641-656(2004).
Schuetze N.,et al.Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases.