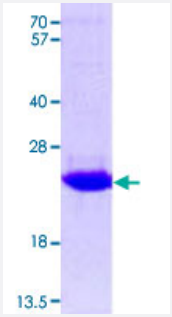
TXNDC12 (Human) Recombinant Protein

Catalog # P5844 Size 20 ug

Applications



Specification

Product Description	Human TXNDC12 (NP_056997, 27 a.a. - 172 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMHNGLGKGFGDHIHWRTLEDGKKE AAASGLPLMVIIHKSWCGACKALKPKFAESTEISELSHNFVMVNLEDEEEPKDEDFSPDGGYIPRI LFLDPSGKVHPEIINENGNPSYKYFYVSAEQVVQGMKEAQERLTGDAFRKKHLEDEL
Host	Escherichia coli
Theoretical MW (kDa)	20.8
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS - PAGE
Quality Control Testing	3 ug/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.
Storage Buffer	In 20 mM Tris-HCl buffer, 0.15 M NaCl, pH 8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- SDS-PAGE

Gene Info — TXNDC12

Entrez GeneID	51060
Gene Name	TXNDC12
Gene Alias	AGR1, ERP18, ERP19, TLP19, hAG-1
Gene Description	thioredoxin domain containing 12 (endoplasmic reticulum)
Omim ID	609448
Gene Ontology	Hyperlink
Gene Summary	TXNDC12 belongs to the thioredoxin superfamily (see TXN; MIM 187700). Members of this super family possess a thioredoxin fold with a consensus active-site sequence (CxxC) and have roles in redox regulation, defense against oxidative stress, refolding of disulfide-containing proteins, and r egulation of transcription factors (Liu et al., 2003 [PubMed 14557066]).[supplied by OMIM
Other Designations	OTTHUMP00000010300|anterior gradient homolog 1|endoplasmic reticulum thioredoxin superfa mily member, 18 kDa|thioredoxin-like protein p19

Pathway

- Glutathione metabolism

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