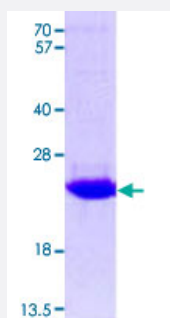


# TXNDC12 (Human) Recombinant Protein

Catalog # P5844

Size 20 ug

## Applications



## Specification

<b>Product Description</b>	Human TXNDC12 (NP_056997, 27 a.a. - 172 a.a.) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMHNGLGKGFGDHIIHWRTLEDGKKE AAASGLPLMVIHKSWCGACKALKPKFAESTEISELSHNFVMVNLEDEEPEKDEDFSPDGGYPRI LFLDPSGKVHPEIINENGNPYKYFYVSAEQVVQGMKEAQLRTGDAFRKKHLEDEL
<b>Host</b>	<i>Escherichia coli</i>
<b>Theoretical MW (kDa)</b>	20.8
<b>Form</b>	Liquid
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 90% by SDS - PAGE
<b>Quality Control Testing</b>	3 ug/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.
<b>Storage Buffer</b>	In 20 mM Tris-HCl buffer, 0.15 M NaCl, pH 8.0 (10% glycerol).
<b>Storage Instruction</b>	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.

## Applications

- SDS-PAGE

## Gene Info — TXNDC12

Entrez GeneID	<a href="#">51060</a>
Gene Name	TXNDC12
Gene Alias	AGR1, ERP18, ERP19, TLP19, hAG-1
Gene Description	thioredoxin domain containing 12 (endoplasmic reticulum)
Omim ID	<a href="#">609448</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 regulation of transcription factors (Liu et al., 2003 [PubMed 14557066]).[supplied by OMIM]
Other Designations	OTTHUMP00000010300 anterior gradient homolog 1 endoplasmic reticulum thioredoxin superfamily member, 18 kDa thioredoxin-like protein p19

## Pathway

- [Glutathione metabolism](#)