

Product datasheet for TP318032L

TXNDC5 (NM_030810) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human thioredoxin domain containing 5 (endoplasmic reticulum) (TXNDC5), transcript variant 1, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC218032 representing NM_030810 Red=Cloning site Green=Tags(s) MPARPGRLLPLLARPAALTALLLLLLGHGGGGRWGARAQEAAAAAADGPPAADGEDGQDPHSHLYTADM FTHGIQSAAHFVMFFAPWCGHCQRLQPTWNDLGDKYNMEDAKVYVAKVDCTAHSVCSAQGVRGYPTLK LFKPGQEAVKYQGPRDFQTLNWMMLQTLNEEPVTPPEPEVEPPSAPELKQGLYELSASFELHVAQGDHFI KFFAPWCGHCKALAPTWEQLALGLEHSETVKIGKVDCTQHYELCSGNQVRGYPTLLWFRDGGKVDQYKKG RDLESLREYVESQLQRTETGATETVTPSEAPVLA AEPEADKGTVLALTENNFDDTIAEGITFIKFYAPWC GHCKTLAPTWEELSKKEFPGLAGVKIAEVDCTAERNICSKYSVRGYPTLLLFRGGKVKVSEHSGGRDLDSL HRFVLSQAKDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 44.4 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



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RefSeq: [NP_110437](#)

Locus ID: 81567

UniProt ID: [Q8NBS9](#)

RefSeq Size: 2970

Cytogenetics: 6p24.3

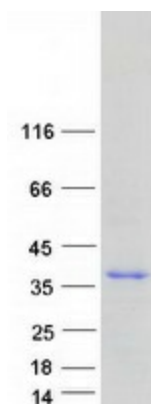
RefSeq ORF: 1296

Synonyms: ENDOPDI; ERP46; HCC-2; HCC2; PDIA15; STRF8; UNQ364

Summary: This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal endoplasmic reticulum (ER)-signal sequence, three catalytically active thioredoxin domains and a C-terminal ER-retention sequence. Its expression is induced by hypoxia and its role may be to protect hypoxic cells from apoptosis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring upstream BLOC1S5 gene. [provided by RefSeq, Dec 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TXNDC5 protein (Cat# [TP318032]). The protein was produced from HEK293T cells transfected with TXNDC5 cDNA clone (Cat# [RC218032]) using MegaTran 2.0 (Cat# [TT210002]).