

## PRODUCT SPECIFICATION

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|--------------------------|--|
| Product Name             | PrEST Antigen TXNRD1   |
| Product Number           | APrEST77471  |
| Gene Description         | thioredoxin reductase 1  |
| Alternative Gene Names   | GRIM-12, Trxr1, TXNR   |
| Corresponding Antibodies | Anti-TXNRD1 (HPA001395)  |
| Description              | Recombinant protein fragment of Human TXNRD1   |
| Amino Acid Sequence      | Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence:<br>SCEDGRALEGTLSELAETDLPVVFVKQRKIGGHGPTLKAYQEGRLQKLL<br>KMNGPEDLPKSYDYDLIIIGGGSGGLAAAKEAAQYGKKVMVLDVFTPTPL<br>GTRWGLGGTCVNVGCIPKCLMHQAALLGQALQDSRNYG |
| Fusion Tag               | N-terminal His <sub>6</sub> ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G)   |
| Expression Host          | <i>E. coli</i>   |
| Purification             | IMAC purification  |
| Predicted MW             | 32 kDa including tags  |
| Usage                    | Suitable as control in WB and preadsorption assays using indicated corresponding antibodies.   |
| Purity                   | >80% by SDS-PAGE and Coomassie blue staining   |
| Buffer                   | PBS and 1M Urea, pH 7.4.   |
| Unit Size                | 100 µl   |
| Concentration            | Lot dependent  |
| Storage                  | Upon delivery store at -20°C. Avoid repeated freeze/thaw cycles.   |
| Notes                    | Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.  |

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