

## Product datasheet for TP328099

### THAP4 (NM\_001164356) Human Recombinant Protein

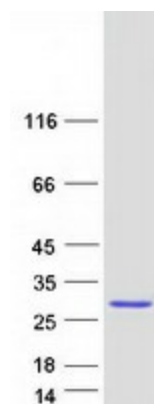
#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                               |
| Description:                          | Recombinant protein of human THAP domain containing 4 (THAP4), transcript variant 2, 20 µg                                                                                                                                                                                                                                                                                                         |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                              |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                            |
| Expression cDNA Clone or AA Sequence: | >RC228099 representing NM_001164356<br><div> <div>Red</div>=Cloning site <div>Green</div>=Tags(s) </div> <p>MEPPKMNPVVEPLSWMLGTWLSPPGAGTYPTLQPFQYLEEVHISHVGQPMLNFSFNSFHPDTRKPMH<br/>           RE<br/>           CGFIRLKPDTNKVAFVSAQNTGVVEVEEGEVNGQELCIASHSIARISFAKEPHVEQITRKFRNLNSEGKLE<br/>           QTVSMATTTQPMTQHLHVTYKKVTP</p> <p><div>TR</div><div>TRPLEQKLISEEDLAANDILDYKDDDDKV</div></p> |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted MW:                         | 18.4 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:                          | NULL or Add: Recombinant proteins 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.                                                                                                                                                                                                                                                      |
| RefSeq:                               | <u><a href="#">NP_001157828</a></u>                                                                                                                                                                                                                                                                                                                                                                |
| Locus ID:                             | 51078                                                                                                                                                                                                                                                                                                                                                                                              |


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|               |                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID:   | <u><a href="#">Q8WY91</a></u>                                                                                                                                                                                                                                                                                                                   |
| Cytogenetics: | 2q37.3                                                                                                                                                                                                                                                                                                                                          |
| RefSeq ORF:   | 495                                                                                                                                                                                                                                                                                                                                             |
| Synonyms:     | CGI-36; Nb(III); PP238                                                                                                                                                                                                                                                                                                                          |
| Summary:      | In vitro catalyzes the heme-based conversion of peroxynitrite into nitrate/NO <sub>3</sub> <sup>-</sup> . May be involved in the detoxification of peroxynitrite which is responsible for the nitration of L-free tyrosine (PubMed:30524950). Also selectively binds nitric oxide/NO in vitro (PubMed:30524950).[UniProtKB/Swiss-Prot Function] |

## Product images:



Coomassie blue staining of purified THAP4 protein (Cat# TP328099). The protein was produced from HEK293T cells transfected with THAP4 cDNA clone (Cat# [RC228099]) using MegaTran 2.0 (Cat# [TT210002]).