

## Recombinant Human TPD52L1, GST-tagged

**Cat. No.** TPD52L1-13702H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TPD52L1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-144a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a member of the tumor protein D52 (TPD52) family. The encoded protein contains a coiled-coil domain and may form homo- or hetero-dimer with TPD52 family members. The protein is reported to be involved in cell proliferation and calcium signaling. It also interacts with the mitogen-activated protein kinase kinase 5 (MAP3K5/ASK1) and positively regulates MAP3K5-induced apoptosis. Multiple alternatively spliced transcript variants have been observed, but the full-length nature of some variants has not yet been determined. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                             |

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | TPD52L1 tumor protein D52-like 1 [ Homo sapiens ]                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | TPD52L1                                                                                                                                                                                                                                               |
| <b>Synonyms</b>            | TPD52L1; tumor protein D52-like 1; tumor protein D53; D53; hD53; MGC8556;                                                                                                                                                                             |
| <b>Gene ID</b>             | 7164                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001003395                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001003395                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 604069                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | Q16890                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 6q22-q23                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem; |
| <b>Function</b>            | cysteine-type endopeptidase activator activity involved in apoptotic process; identical protein binding; protein binding; protein heterodimerization activity; protein homodimerization activity;                                                     |

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