

## Recombinant Human TPD52L1, His-tagged

Cat. No. TPD52L1-222H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TPD52L1 (His-tagged) produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 151 amino acids and has a molecular mass of 16.8 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	TPD52L1 (hD53, hD53L1) is a member of D52 gene family and overexpressed in human breast carcinoma. This protein contains coiled-coil motif, which is responsible for homo- and heteromeric interaction, and may be a regulator of cell proliferation and calcium-mediated signal transduction.
<b>Amino Acid Sequence</b>	MGSSHHHH HH SSSLVP RGS HM EAQA QGLLE TEPLQGTDED AVASA DFSSM LSEE EKE ELK AELVQ LEDEI TTLRQ VLSAK ERH LVEIKQK LGMN LMNELK QNFS KS WHDM QTT TAYKKTH ETL SHAGQKA TAAFSNV GTA ISKKF GDMRRK.
<b>Physical Appearance</b>	Sterile filtered colorless solution.
<b>Formulation</b>	The protein (1mg/ml) contains phosphate buffered saline, pH 7.4.
<b>Purity</b>	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
<b>Stability</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

## GENE INFORMATION

<b>Gene Name</b>	TPD52L1 tumor protein D52-like 1 [ Homo sapiens ]
<b>Synonyms</b>	TPD52L1; tumor protein D52-like 1;D53; hD53; MGC8556; TPD52L2; tumor protein D52-like 2; tumor protein D53; OTTHUMP00000017133; OTTHUMP- 00000017135; OTTHUMP00000017136
<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>	Calcium signaling pathway; Cardiac muscle contraction; Hypertrophic cardiomyopathy (HCM); Muscle contraction
<b>Function</b>	protein heterodimerization activity; protein homodimerization activity

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