

Recombinant Human TPD52L1, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Amino Acid Sequence	MGSSHHHH HH SSGLVP 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.
Physical Appearance	Sterile filtered colorless solution.
Formulation	The protein (1mg/ml) contains phosphate buffered saline, pH 7.4.
Purity	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
Stability	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

Gene Name	TPD52L1 tumor protein D52-like 1 [Homo sapiens]
Synonyms	TPD52L1; tumor protein D52-like 1;D53; hD53; MGC8556; TPD52L2; tumor protein D52-like 2; tumor protein D53; OTTHUMP00000017133; OTTHUMP- 00000017135; OTTHUMP00000017136
Gene ID	7164
mRNA Refseq	NM_001003395
Protein Refseq	NP_001003395
MIM	604069
UniProt ID	Q16890
Chromosome Location	6q22-q23
Pathway	Calcium signaling pathway; Cardiac muscle contraction; Hypertrophic cardiomyopathy (HCM); Muscle contraction
Function	protein heterodimerization activity; protein homodimerization activity

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