



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Recombinant Human Tumor Protein D52 L1

**Catalog No.**  
228-11542

**Source**  
*Escherichia Coli.*

### Synonyms

Tumor protein D53, Tumor protein D52-like 1, TPD52L1, hD53, D53, MGC8556, TPD52L2.

### Introduction

TPD52L1 (hD53, hD53L1) is a member of D52 gene family and overexpressed in human breast carcinoma. TPD52L1 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. Moreover, TPD52L1 interacts with the mitogen-activated protein kinase kinase kinase 5 (MAP3K5/ASK1) and positively regulates MAP3K5-induced apoptosis.

### Description

TPD52L1 Human Recombinant His-Tag fusion protein produced in E. Coli is a single, non-glycosylated polypeptide chain (21-151 a.a) containing amino acids 151 and having a molecular mass of 16.8 kDa. TPD52L1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

TPD52L1 protein solution (1mg/ml) containing 1xPBS pH 7.4.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Stability***

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Avoid multiple freeze-thaw cycles.**

### ***Sequence***

MGSSHHHHHH SSGLVPRGSH MEAQAQGLLE TEPLQGTDED AVASADFSSM LSEEEKEELK  
AELVQLEDEI TTLRQVLSAK ERHLVEIKQK LGMNLMNELK QNFSKSWHDM QTTTAYKKTH  
ETLSHAGQKA TAAFSNVGTA ISKKFGDMRR K.

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