

## Product datasheet for **TP300956L**

### EFHD1 (NM\_025202) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human EF-hand domain family, member D1 (EFHD1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC200956 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MASEELACKLERRLRREEAEESGPQLAPLGAPAPEPKPEPEPPARAPTASADAELSAQLSRRLDINEGAA  
RPRRCRVFNPHYTEFPEFSRRLIKDLESMFKLYDAGRDFIDLMELKLMMEKLGAPQTHLGLKSMIKEVDE  
DFDGKLSFRELLIFHKAAAAGELQEDSGLMALAKLSEIDVALEGVKGAKNFFFEAKVQALSSASKFEALK  
AEQDERKREEEERRLRQAAFQKLKANFNT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 26.7 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:** Recombinant protein 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:** [NP\\_079478](#)

**Locus ID:** 80303

**UniProt ID:** [Q9BUP0](#)

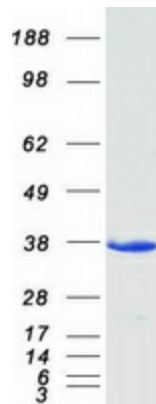


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RefSeq Size:	2000
Cytogenetics:	2q37.1
RefSeq ORF:	717
Synonyms:	MST133; MSTP133; PP3051; SWS2

**Summary:** This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of cellular processes including mitosis, synaptic transmission, and cytoskeletal rearrangement. The protein encoded by this gene is composed of an N-terminal disordered region, proline-rich elements, two EF-hands, and a C-terminal coiled-coil domain. This protein has been shown to associate with the mitochondrial inner membrane, and in HeLa cells, acts as a novel mitochondrial calcium ion sensor for mitochondrial flash activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

### Product images:



Coomassie blue staining of purified EFHD1 protein (Cat# [TP300956]). The protein was produced from HEK293T cells transfected with EFHD1 cDNA clone (Cat# [RC200956]) using MegaTran 2.0 (Cat# [TT210002]).