

## Product datasheet for TP301454L

### RASD2 (NM\_014310) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human RASD family, member 2 (RASD2), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201454 protein sequence  
Red=Cloning site Green=Tags(s)

MMKTLSSGNCTLSVPAKNSYRMVVLGASRVGKSSIVSRFLNGRFEDQYTPPTIEDFHRKVYNIRGDMYQLD  
ILDTSGNHPPFAMRRLSILTGDFILVFLDNRESFDEVKRLQKQILEVKSCLKNKTKEAAELPMVICGN  
KNDHGELCRQVPTTEAELLVSGDENCAIFEVS AKKNTNVDEM FYVLF SMAKLPHEMSPALHRKISVQYGD  
AFHPRPFCMRRVKEMDAYGMVSPFARRPSVNSDLKYIKAKVLREGQARERDKCTIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 30.2 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\\_055125](#)

**Locus ID:** 23551

**UniProt ID:** [Q96D21](#)



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RefSeq Size: 3047

Cytogenetics: 22q12.3

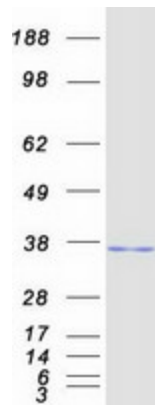
RefSeq ORF: 798

Synonyms: Rhes; TEM2

**Summary:** This gene belongs to the Ras superfamily of small GTPases and is enriched in the striatum. The encoded protein functions as an E3 ligase for attachment of small ubiquitin-like modifier (SUMO). This protein also binds to mutant huntingtin (mHtt), the protein mutated in Huntington disease (HD). Sumoylation of mHTT by this protein may cause degeneration of the striatum. The protein functions as an activator of mechanistic target of rapamycin 1 (mTOR1), which in turn plays a role in myelination, axon growth and regeneration. Reduced levels of mRNA expressed by this gene were found in HD patients. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RASD2 protein (Cat# [TP301454]). The protein was produced from HEK293T cells transfected with RASD2 cDNA clone (Cat# [RC201454]) using MegaTran 2.0 (Cat# [TT210002]).