

Product datasheet for **TP301454M**

RASD2 (NM_014310) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human RASD family, member 2 (RASD2), 100 µg

Species: Human

Expression Host: HEK293T

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

MMKTLSSGNCTLSVPAKNSYRMVVLGASRVGKSSIVSRFLNGRFEDQYTPPTIEDFHRKVYNIRGDMYQLD
ILDTSGNHPPFAMRRLSILTGDFILVFLDNRESFDEVKRLQKQILEVKSKLNKTKEAAELPMVICGN
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

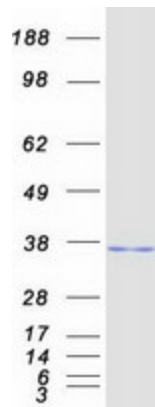
RefSeq ORF: 798

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]).