

# **Product datasheet for AR51794PU-S**

#### OriGene Technologies, Inc.

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## RASD2 / TEM2 (1-266, His-tag) Human Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** RASD2 / TEM2 (1-266, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMMKTLSS GNCTLSVPAK NSYRMVVLGA SRVGKSSIVS RFLNGRFEDQ YTPTIEDFHR KVYNIRGDMY QLDILDTSGN HPFPAMRRLS ILTGDVFILV

FSLDNRESFD EVKRLQKQIL EVKSCLKNKT KEAAELPMVI CGNKNDHGEL CRQVPTTEAE LLVSGDENCA YFEVSAKKNT NVDEMFYVLF SMAKLPHEMS PALHRKISVQ YGDAFHPRPF

CMRRVKEMDA YGMVSPFARR PSVNSDLKYI KAKVLREGQA RERDKCTIQ

Tag: His-tag
Predicted MW: 32.8 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human RASD2, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

RefSeq: NP 055125

 Locus ID:
 23551

 UniProt ID:
 Q96D21

 Cytogenetics:
 22q12.3

 Synonyms:
 Rhes; TEM2





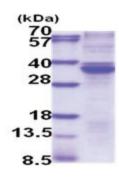
**Summary:** 

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:**



15% SDS-PAGE (3ug)