

Product datasheet for PH301454

RASD2 (NM_014310) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RASD2 MS Standard C13 and N15-labeled recombinant protein (NP_055125)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201454
Predicted MW:	30.4 kDa
Protein Sequence:	>RC201454 protein sequence Red=Cloning site Green=Tags(s) MMKTLSSGNCTLSVPAKNSYRMVVLGASRVGKSSIVSRFLNGRFEDQYPTPTIEDFHRKVYNIIRGDMYQLD ILDTSNGNHPFPAMRRLSILTGDVFILVFSLDNRESFDEVKRLQKQILEVKSLKNTKAAELPMVICGN KNDHGELCRQVPTTEAELLVSGDENCAYPEVSAKKNTNDEM FYVLF SMAKLPHEMSPALHRKISVQYGD AFHPRPFCMRRVKEMDAYGMVSPFARRPSVNSDLKYIKAKVLREGQARERDKCTIQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055125
RefSeq Size:	3047
RefSeq ORF:	798
Synonyms:	Rhes; TEM2
Locus ID:	23551
UniProt ID:	Q96D21



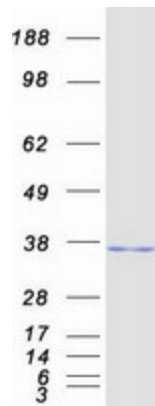
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Cytogenetics: 22q12.3

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]).