

Recombinant Human RASD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RASD2-5922H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RASD2 MS Standard C13 and N15-labeled recombinant protein (NP_055125) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	30.4 kDa
AA Sequence	MMKTLSSGNCTLSVPAKNSYRMVVLGASRVGKSSIVSRFLNGRFEDQYTPTIEDFH RKVYNIRGDMYQLDILDTSGNHPPFAMRRLSILTGDFILVFSLDNRESFDEVKRLQK QILEVKSCCLKNKTKEAAELPMVICGNKNDHGELCRQVPTTEAELLVSGDENCAAYFEV SAKKNTNVDEMIFYVLFSMAKLPHEMSPALHRKISVQYGDAFHPRPFCMRRVKEMD AYGMVSPFARRPSVNSDLKYIKAKVLREGQARERDKCTIQTRTRPLEQKLISEEDLA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

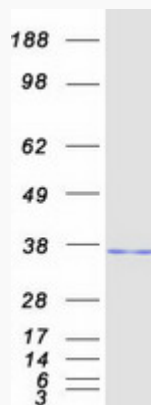
GENE INFORMATION

Gene Name	RASD2 RASD family member 2 [Homo sapiens (human)]
Official Symbol	RASD2
Synonyms	RASD2; RASD family, member 2; GTP-binding protein Rhes; MGC:4834; Ras homolog enriched in striatum; Rhes; TEM2; tumor endothelial marker 2;
Gene ID	23551
mRNA Refseq	NM_014310
Protein Refseq	NP_055125
MIM	612842
UniProt ID	Q96D21

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SDS-PAGE

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