

Product datasheet for **AR39071PU-N**

DRG1 / NEDD3 (1-367, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DRG1 / NEDD3 (1-367, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MSSTLAKIAE IEAEMARTQK NKATAHHLGL LKARLAKLRR ELITPKGGGG GPGEGFDVA KTG DARIGFV GFPSVGKSTL LSNLAGVYSE VAA YEFTTLT TVPGVIRYKG AKIQLLDLPG IIEGAKDGKG RGRQVI A VAR TCNLILVLD VLKPLGHKKI IENELEFGI RLNSKPPNIG FKKKDKGGIN LTATCPQSEL DAETVKSILA EYKIHNADVT LRS DATADDL IDWEGNRVY IPCIYVLNKI DQISIEELDI IYKVP HCVPI SAHHRWNFDD LLEKIWDYLK LVRIYTKPKG QLPDY TSPW LPYSRTTVED FCMKIHK NLI KEFKYALVWG LSVKHNPQKV GKDHTLEDED VIQIVKK
Tag:	His-tag
Predicted MW:	42.7 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 1 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DRG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_004138</u>
Locus ID:	4733
UniProt ID:	<u>Q9Y295</u>
Cytogenetics:	22q12.2



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Synonyms: NEDD3

Summary: Catalyzes the conversion of GTP to GDP through hydrolysis of the gamma-phosphate bond in GTP (PubMed:29915238, PubMed:23711155). Appears to have an intrinsic GTPase activity that is stimulated by ZC3H15/DFRP1 binding likely by increasing the affinity for the potassium ions (PubMed:23711155). When hydroxylated at C-3 of 'Lys-22' by JMJD7, may bind to RNA and play a role in translation (PubMed:19819225, PubMed:29915238). Binds to microtubules and promotes microtubule polymerization and stability that are required for mitotic spindle assembly during prophase to anaphase transition. GTPase activity is not necessary for these microtubule-related functions (PubMed:28855639).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:

