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Product datasheet for AR39071PU-L

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

Product data:

Product Type:	Recombinant Proteins
Description:	DRG1 / NEDD3 (1-367, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSSTLAKIAE IEAEMARTQK NKATAHHLGL LKARLAKLRR ELITPKGGGG GGPGEGFDVA KTGDARIGFV GFPSVGKSTL LSNLAGVYSE VAAYEFTTLT TVPGVIRYKG AKIQLLDLPG IIEGAKDGKG RGRQVIAVAR TCNLILIVLD VLKPLGHKKI IENELEGFGI RLNSKPPNIG FKKKDKGGIN LTATCPQSEL DAETVKSILA EYKIHNADVT LRSDATADDL IDVVEGNRVY IPCIYVLNKI DQISIEELDI IYKVPHCVPI SAHHRWNFDD LLEKIWDYLK LVRIYTKPKG QLPDYTSPVV LPYSRTTVED FCMKIHKNLI 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:	NP_004138
Locus ID:	4733
UniProt ID:	Q9Y295
Cytogenetics:	22q12.2

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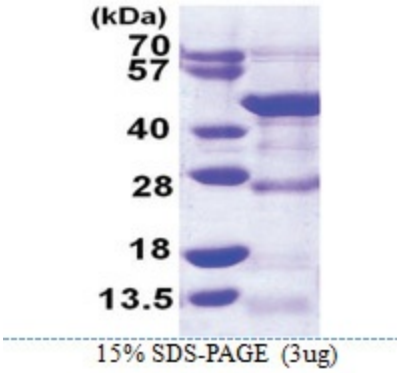
Synonyms: NEDD3

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:



15% SDS-PAGE (3ug)