

DRG1 Human

Description: DRG1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (1-367 a.a.) and having a molecular mass of 42.7kDa. DRG1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-892

For research use only.

Synonyms: Developmentally-regulated GTP-binding protein 1, DRG-1, Neural precursor cell expressed developmentally down-regulated protein 3, NEDD-3, DRG1, NEDD3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MSSTLAKIAE IEAEMARTQK
NKATAHHLGL LKARLAKLRR ELITPKGGGG GPGEGFDVA KTGDARIGFV GFPSVGKSTL
LSNLAGVYSE VAAEFTTTLT TVPGVIRYKG AKIQLLDLPG IIEGAKDGKG RGRQVIAVAR
TCNLILIVLD VLKPLGHKKI IENELEFGI RLNSKPPNIG FKKKDKGGIN LTATCPQSEL
DAETVKSILA EY

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

DRG1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 1mM EDTA.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Developmentally-regulated GTP-binding protein 1 (DRG1) is a member of the GTP1/OBG family. DRG1 has a role in cell proliferation and differentiation, as well as in apoptosis, proposing a role in tumor formation and metastasis. Expression of the DRG1 was considerably reduced in breast tumor cells, particularly in patients with lymph node or bone metastasis as compared to those with localized breast cancer. The DRG1 protein is expressed at high levels in the heart, kidney and skeletal muscle and at lower levels in the brain, liver, placenta, lung, colon and spleen.

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