

DRG1, 1-367aa, Human, His tag, E.coli

Cat.NO.: TP01922

3th Edition

Synonyms:Developmentally regulated GTP binding protein 1, NEDD3

Description:Developmentally-regulated GTP-binding protein 1(DRG1) belong to the GTP1/OBG family. It plays a role in cell proliferation and differentiation, as well as in apoptosis, suggesting a role in tumor formation and metastasis. Expression of the DRG1 was significantly reduced in breast tumor cells, particularly in patients with lymph node or bone metastasis as compared to those with localized breast cancer.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 1mM EDTA

Molecular Weight:42.7kDa (387aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSSTLAKIAEIEAEMARTQKNKATAHHLGLLKARLAKLRRELITPKGGGGGGPGE
GFDVAKTGDARIGFVGFPSVGKSTLLSNLAGVYSEVAAAYEFTTLTTVPGVIRYKGAKIQLLDLPGIIEGAKDGKGRGR
QVIAVARTCNLILIVLDVLKPLGHKKIENELEFGFIRLNSKPPNIGFKKKDKGGINLTATCPQSELDAETVKSILAEYKIH
NADVTLRSDATADDLIDVVEGNRVYIPCIYVLNKIDQISIEELDIYKVPHCVPISAHHRWNFDDLLEKIWDYLLKLVRIYT
KPKGQLPDYTSPVVLPPYSRTTVEDFCMKIHKNLIKEFKYALVWGLSVKHNPQKVGKDHTLEDEDVIQIVKK

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.