Recombinant human DRG1 protein

Catalog Number: ATGP1131

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-367aa

UniProt No.
Q9Y295

NCBI Accession No.
NP_004138

Alternative Names
Developmentally regulated GTP binding protein 1, ADP-ribosylation factor-like 11

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. This protein expressed at high levels in heart, kidney and skeletal muscle and at lower levels in brain, liver, placenta, lung, colon and spleen. Recombinant human DRG1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

conventional chromatography techniques.

Amino acid Sequence

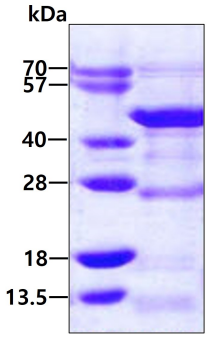
<MGSSHHHHHH SSGLVPRGSH> MSSTLAKIAE IEAEMARTQK NKATAHHLGL LKARLAKLRR ELITPKGGGG GGPGEGFDVA KTGDARIGFV GFPSVGKSTL LSNLAGVYSE VAAYEFTTLT TVPGVIRYKG AKIQLLDLPG IIEGAKDGKG RGRQVIAVAR TCNLILIVLD VLKPLGHKKI IENELEGFGI RLNSKPPNIG FKKKDKGGIN LTATCPQSEL DAETVKSILA EYKIHNADVT LRSDATADDL IDVVEGNRVY IPCIYVLNKI DQISIEELDI IYKVPHCVPI SAHHRWNFDD LLEKIWDYLK LVRIYTKPKG QLPDYTSPVV LPYSRTTVED FCMKIHKNLI KEFKYALVWG LSVKHNPQKV GKDHTLEDED VIQIVKK

General References

Sazuka, T., et al. (1992) Res. Commun. 189: 363-370.
Bandyopadhyay S., et al. (2004). Oncogene 23 (33): 5675-81.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.