

Recombinant human Gankyrin/PSMD10 protein

Catalog Number: GAN0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-226aa

UniProt No.

O75832

NCBI Accession No.

NP_002805

Alternative Names

proteasome 26S subunit non ATPase 10 (PSMD10) isoform 1, ankyrin repeat protein p28, Gankyrin, 26S proteasome non-ATPase regulatory subunit 10, 26S proteasome regulatory subunit p28, PSMD10.

PRODUCT SPECIFICATION

Molecular Weight

24.4 kDa (226aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

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

Gankyrin is an oncoprotein commonly overexpressed in most hepatocellular carcinomas. Gankyrin interacts with S6 ATPase of the 19S regulatory particle of the 26S proteasome. It is known to play a role in the regulation of the phosphorylation of the retinoblastoma protein by CDK4, and to enhance the ubiquitinylation of p53 by MDM2. Gankyrin consists of 7 ankyrin repeats and is structurally similar to I kappa Bs. Recombinant human Gankyrin was expressed in E. coli and purified by conventional chromatography techniques.

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Amino acid Sequence

MEGCVSNLMV CNLAYSGKLE ELKESILADK SLATRTDQDS RTALHWACSA GHTEIVEFLL QLGVPVNDKD DAGWSPLHIA
ASAGRDEIVK ALLGKGAQVN AVNQNGCTPL HYAASKNRHE IAVMLLEGGA NPDAKDHIEA TAMHRAAAKG NLKMIHILLY
YKASTNIQDT EGNTPLHLAC DEERVEEAKL LVSQGASIYI ENKEEKTPLQ VAKGGLGLIL KRMVEG

General References

umemura A., et al. (2008) Hepatology. 47(2):493-502.

Chen Y., et al. (2007) Cell Res. 17(12): 1020-9

DATA

SDS-PAGE

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

