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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

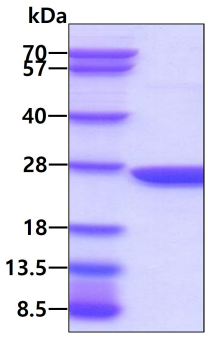
MEGCVSNLMV CNLAYSGKLE ELKESILADK SLATRTDQDS RTALHWACSA GHTEIVEFLL QLGVPVNDKD DAGWSPLHIA ASAGRDEIVK ALLGKGAQVN AVNQNGCTPL HYAASKNRHE IAVMLLEGGA NPDAKDHYEA TAMHRAAAKG NLKMIHILLY YKASTNIQDT EGNTPLHLAC DEERVEEAKL LVSQGASIYI ENKEEKTPLQ VAKGGLGLIL KRMVEG

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.