

## Gankyrin Protein, Human, Recombinant

### General Information

Synonyms:	PSMD10;Gankyrin;26S Proteasome Non-ATPase Regulatory Subunit 10;26S Proteasome Regulatory Subunit p28;p28(GANK)
Protein Construction:	Met1-Gly226
Species:	Human
Expression Host:	E. coli
Accession:	O75832
Molecular Weight:	26 KDa (reducing condition)
AA Sequence:	Met1-Gly226

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein Background

Gankyrin is a multicatalytic proteinase oncoprotein consists of 7 ankyrin repeats. Gankyrin overexpressed in most hepatocellular carcinomas. Gankyrin is involved in theregulation of the phosphorylation of the retinoblastoma protein by CDK4 to enhance the ubiquitinylation of p53 by MDM2. Gankyrin is also involved in progression of esophageal squamous cell carcinoma. Gankyrin plays an oncogenic role especially in early stages of human epatocarcinogenesis.

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