Data Sheet (Cat.No.TMPH-00294)

TargetMol

PAG-1 Protein, Bovine, Recombinant (His & SUMOstar)

General Information

Synonyms: Pregnancy-specific protein B (PSP-B);PAG 1;Pregnancy-associated glycoprotein 1

Protein Construction: 54-380 aa

Species: Bovine

Expression Host: P. pastoris (Yeast)

Accession: Q29432

Molecular Weight: 49.8 kDa (predicted)

AA Sequence: RGSNLTTHPLRNIKDLVYMGNITIGTPPQEFQVVFDTASSDLWVPSDFCTSPACSTHVRFRHLQSSTFRLTNKT FRITYGSGRMKGVVVHDTVRIGNLVSTDQPFGLSIEEYGFEGRIYDGVLGLNYPNISFSGAIPIFDKLKNQRAISE PVFAFYLSKDEREGSVVMFGGVDHRYYEGELNWVPLIQAGDWSVHMDRISIERKIIACSDGCKALVDTGTSDI VGPRRLVNNIHRLIGAIPRGSEHYVPCSEVNTLPSIVFTINGINYPVPGRAYILKDDRGRCYTTFQENRVSSSTET WYLGDVFLRLYFSVFDRGNDRIGLARAV

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: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Appears to be proteolytically inactive.

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