

Product datasheet for **TP503190**

Gosr1 (NM_016810) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse golgi SNAP receptor complex member 1 (Gosr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203190 protein sequence Red =Cloning site Green =Tags(s)

MAAGTSNYWEDLRKQARQLENELDLKLVSFSLKCTSYSHSGSRDGGDRYSSDTPLLNGSSQDRMFETM
AIEIEQLLARLTGVNDKMAEYTHSAGVPSLNAALMHTLQRHRDILQDYTHEFHKTKANFTAIRERENLMG
SVRKDIESYKSGGVNNRRETELFLKEHDHLRNSDRLEETISIAMATKENMMSQRGMLKSIHMKMNTLAN
RFPVNSLIQRINLRKRRDSLILGGVIGICTILLLLLYAFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_058090
Locus ID:	53334
UniProt ID:	O88630
RefSeq Size:	4265



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Cytogenetics: 11 B5

RefSeq ORF: 753

Synonyms: AI414660; AI426320; BB145494; GOS-28; GOSRI; GS28

Summary: Involved in transport from the ER to the Golgi apparatus as well as in intra-Golgi transport. It belongs to a super-family of proteins called t-SNAREs or soluble NSF (N-ethylmaleimide-sensitive factor) attachment protein receptor. May play a protective role against hydrogen peroxide induced cytotoxicity under glutathione depleted conditions in neuronal cells by regulating the intracellular ROS levels via inhibition of p38 MAPK (MAPK11, MAPK12, MAPK13 and MAPK14). Participates in docking and fusion stage of ER to cis-Golgi transport. Plays an important physiological role in VLDL-transport vesicle-Golgi fusion and thus in VLDL delivery to the hepatic cis-Golgi (By similarity).[UniProtKB/Swiss-Prot Function]