

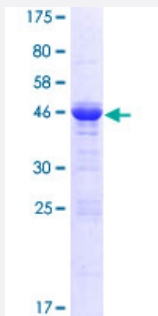
Full-Length

GPSM1 (Human) Recombinant Protein (P02)

Catalog # H00026086-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GPSM1 full-length ORF (AAH48343.1, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDDQRCPLDDGQAGAAEATAAPTLEDRIAQPSMTASPQTEEFFDLIASSQSRRLDDQRASVGSL PGLRITHSNAGHLRGHGEPQEPGDDFFNMLIKYQSSRIDDQRCPPPDVLPRGPTMPDEDDFFSLIQ RVQAKRMDEQRVDLAGGPEQGAGGPPEPQQQCQPGAS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.4
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPSM1

Entrez GeneID	26086
GeneBank Accession#	BC048343.1
Protein Accession#	AAH48343.1
Gene Name	GPSM1
Gene Alias	AGS3, DKFZp727I051
Gene Description	G-protein signaling modulator 1 (AGS3-like, C. elegans)
Omim ID	609491
Gene Ontology	Hyperlink
Gene Summary	G proteins propagate intracellular signals initiated by G protein-coupled receptors. GPSM1, a receptor-independent activator of G protein signaling, is one of several factors that influence the basal activity of G protein signaling systems (Pizzinat et al., 2001 [PubMed 11278352]).[supplied by OMIM]
Other Designations	1810037C22Rik G-protein signalling modulator 1 (AGS3-like, C. elegans) OTTHUMP00000022584 OTTHUMP00000046384 OTTHUMP00000046385 activator of G-protein signaling 3

Publication Reference

- [GPSM1 impairs metabolic homeostasis by controlling a pro-inflammatory pathway in macrophages.](#)

Jing Yan, Yuemei Zhang, Hairong Yu, Yicen Zong, Daixi Wang, Jiangfei Zheng, Li Jin, Xiangtian Yu, Caizhi Liu, Yi Zhang, Feng Jiang, Rong Zhang, Xiangnan Fang, Ting Xu, Mingyu Li, Jianzhong Di, Yan Lu, Xinran Ma, Jian Zhang, Weiping Jia, Cheng Hu.

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Application: SPR, Recombinant proteins