

## Product datasheet for **TP517236**

### Gp2 (NM\_025989) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glycoprotein 2 (zymogen granule membrane) (Gp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from Mouse cDNA ORF Clone, MR217236, encoding Mouse full-length Gp2.
Tag:	C-MYC/DDK
Predicted MW:	59.5 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:	<a href="#">NP_080265</a>
Locus ID:	67133
UniProt ID:	<a href="#">Q9D733</a> , <a href="#">A0A0R4I0B9</a>
RefSeq Size:	1978
Cytogenetics:	7 63.88 cM
RefSeq ORF:	1605
Synonyms:	2310037118Rik; AV060639



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**Summary:**

Functions as an intestinal M-cells transcytotic receptor specific of type-I-piliated bacteria that participates to the mucosal immune response toward these bacteria. At the apical membrane of M-cells binds fimH, a protein of the bacteria type I pilus tip. Internalizes bound bacteria, like E.coli and S.typhimurium, from the lumen of the intestine and delivers them, through M-cells, to the underlying organized lymphoid follicles where they are captured by antigen-presenting dendritic cells to elicit a mucosal immune response.[UniProtKB/Swiss-Prot Function]