

Product datasheet for **TP501504**

Reg3g (NM_011260) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse regenerating islet-derived 3 gamma (Reg3g), 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, MR201504, encoding Mouse full-length Reg3g.
Tag:	C-MYC/DDK
Predicted MW:	19.8 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_035390
Locus ID:	19695
UniProt ID:	O09049 , Q54511
RefSeq Size:	774
Cytogenetics:	6 C3
RefSeq ORF:	522
Synonyms:	AI449515; REG-3-gamma; reg III-gamma



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Summary:

This gene encodes a C-type lectin that demonstrates bactericidal activity. This gene is predominantly expressed in the distal small intestine where the encoded protein undergoes proteolytic processing by trypsin. Mice lacking the encoded protein exhibit altered mucus distribution, increased bacterial contact with the epithelium, and elevated inflammatory markers in the ileum, and low-grade inflammation. [provided by RefSeq, Jun 2016]