

Product datasheet for TP511293

Gaa (NM_001159324) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glucosidase, alpha, acid (Gaa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211293 protein sequence Red =Cloning site Green =Tags(s)
	<p>MNIRKPLCSNSVWACTLISLTTAVILGHLMLRELMLLPQDLHESSGLWKTYRPHHQEGYKPGPLHIQE QTEQPKEAPTQCDVPPSSRFDCAFDKGISQEQCEARGCCYVPAGQVLKEPQIQPWCFFPPSPYSYRLEN LSSTESGYTATLRTSPTFFPKDVLTLQLEVLMETDSRLHFHKIKDPASKRYEVPLETPRVLSQAPSPLYS VEFSEEPFGVIVRRKLGGRVLLNTTVAPLFFADQFLQLSTSLPSQHITGLGEHLSPLMLSTDWARITLWN RDTPPSQGTNLYGSHPFYLALEDGGLAHGVFLLNSNAMDVILQPSALTWRSTGGILDVYVFLGPEPKSV VQQYLDVVGYPFMPYWGGLGFHLCRWGYSSTAIVRQVVENMTRTHFPLDVQWNDLDYMDARRDFTFNQDS FADFPDMVRELHQDGRRYMMIVDPAISSAGPAGSYRPHYDEGLRRGVFITNETGQPLIGKVVPGTTAFPDF TNPETLDWWQDMVSEFHAQVPFDGMWLDMNEPSNFVRSQQGCPNNELENPPYVPGVVGILQAATICAS SHQFLSTHYNLHNLGLTEAIASSRALVKTRGTRPFVISRSTFSGHGRYAGHWTDVRSWEHLAYSVPD ILQFNLLGVPLVGADICGFIGDTSEELCVRWTQLGAFYPMRNHNDLNSVPQEPYRFSETAQQAMRKAFA LRYALLPYLYTLFHRAHVRGDTVAPLFLFEPEDPSTWSVDRQLLWGPALLITPVLEPGKTEVTGYFPKG TWYNMQMVSVDLGLTLPSPSSASSFRSAVQSKGQWLTLEAPLDTINVHLREGYIIPLQGPSLTTTESRKQ PMALAVALTASGEADGELFWDDGESLAVLERGAYTLVTFSAKNNTIVNKLVRVTKEGAELQLREVTVLGV ATAPTQVLSNGIPVSNFTYSPDNKSLAIPVSLLMGELFQISWS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	106.2 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



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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_001152796
Locus ID:	14387
UniProt ID:	P70699
RefSeq Size:	3448
Cytogenetics:	11 83.35 cM
RefSeq ORF:	2859
Synonyms:	E430018M07Rik
Summary:	This gene encodes a lysosomal acid glucosidase that is involved in the degradation of glycogen. The encoded preproprotein undergoes proteolytic processing to generate a mature enzyme that cleaves alpha-1-4 and alpha-1-6 glycosidic bonds of glycogen, maltose and intermediate oligosaccharides within the lysosome. Mice lacking the encoded protein exhibit symptoms similar to human Pompe syndrome such as accumulation of glycogen in cardiac and skeletal muscle lysosomes resulting in reduced mobility and strength. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2015]