

Product datasheet for TP511167

Mgea5 (NM_023799) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse O-GlcNAcase (Oga), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211167 protein sequence Red=Cloning site Green=Tags(s)

MVQKESQAAL EERESERNANPAAASGASLEQSVAPAPGEDNPSGAGAAAVVGAAGGARRFLCGWVEGFYGRPWVMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWREMYSVEEAEQLM TLISAAREYEIEFIYAISPGLDITFSNPKEVSTLKRKLDQVSQFGCRSFALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGEPE TFLFCPTEYCGTFCYPNVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIKRAPVIWDNIHANDYDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEANYVAIHTLATWYKSNMNGVRKDVWMTDSEDSTVSIQIKLENEGSDEDIETDVLVSPQMALKLALTEWLQEFQVPHQYSSRQVAHSGAKTSVVDGTPLVAA PSLNATTVVTTVYQEPIMSQGAALSGEPSVLTKEEEKKQPDEEPMMDMVVEKQEEAEHKNDNQILTEIVEAKMAEELRPMDDTKESMAESKPEMSMQEDCIPDVAPMQTDEQTQKEQFVPGPNEKPLYTAEPVTLEDLQL LADLFYLPYEHGPKGAQMLREFQWLRANSSVSVNCKGKDSEKIEEWR SRAAKFEEMCALVMGMFTRLSN CANRTILYDMYSYVWDIKSIMSMVKSQVWLGCRSHSSAQFLIGDQEPWAFRGLAGEFQRLLPIDGAND LFFQPPPLTPTS KVTIRPYFPKDEASVYKICREMYDDGVGFQSPDLIGDKLVGGLLSLSDYCFVLEDEDGICGYALGTVDPVTPFIKKCKISWIPFMQEKYTKPNGDKELSEAEKIMLSFHEEQEVLPETFLANFPLIKMDIHKKVTDPVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGCFEIAKMEGFPKDVI LGRSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	103.2 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_076288
Locus ID:	76055
UniProt ID:	Q9EQQ9
RefSeq Size:	4797
Cytogenetics:	19 38.75 cM
RefSeq ORF:	2751
Synonyms:	2810009A20Rik; 4833427O07Rik; 5830447M11Rik; AA408215; Hy5; mKIAA0679; Ncoat; OGA
Summary:	Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Can use p-nitrophenyl-beta-GlcNAc and 4-methylumbelliferone-GlcNAc as substrates but not p-nitrophenyl-beta-GalNAc or p-nitrophenyl-alpha-GlcNAc (in vitro) (PubMed:16517082). Does not bind acetyl-CoA and does not have histone acetyltransferase activity.[UniProtKB/Swiss-Prot Function]