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Product datasheet for TP502627

Insig2 (NM_178082) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse insulin induced gene 2 (Insig2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202627 protein sequence Red=Cloning site Green=Tags(s) MAEGETESPRPKKCGPYISSVTSQSVNVVIRGVVLFFIGVFLALVLNLLQIQRNVTLFPPDVITSIFSSA WWVPPCCGTASAVIGLLYPCIDRHLGEPHKFKREWSSVMRCVAVFVGINHASAKVDFDNNFQFSLTLAAL SVGLWWTFDRSRSGFGLGVGIAFLATVVTQLLVYNGVYQYTSPDFLYVRSWLPCIFFAGGITMGNIGRQL AMYECKVIAEKSHQE TRTRPLEQKLISEEDLAANDILDYKDDDDKV		**Tag:**	C-MYC/DDK
Predicted MW:	24.9 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_835183
Locus ID:	72999
UniProt ID:	Q91WG1
RefSeq Size:	2475

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Cytogenetics:	1 E2.3
RefSeq ORF:	678
Synonyms:	2900053I11Rik; C730043J18Rik; Insig-2
Summary:	Mediates feedback control of cholesterol synthesis by controlling SCAP and HMGCR. Functions by blocking the processing of sterol regulatory element-binding proteins (SREBPs). Capable of retaining the SCAP-SREBF2 complex in the ER thus preventing it from escorting SREBPs to the Golgi. Seems to regulate the ubiquitin-mediated proteasomal degradation of HMGCR. [UniProtKB/Swiss-Prot Function]