

## Product datasheet for TP507058

### Itfg2 (NM\_133927) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse integrin alpha FG-GAP repeat containing 2 (Itfg2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207058 representing NM_133927 Red=Cloning site Green=Tags(s)

MRSVSYVQRVALDFSGSLFPHAICLGDVDNDALNELVGDTSKGKLSVYKNDDSRPWLTMCQGMLTCVGV  
GDVCNKGKNLVAVSAEGWLHFLDLTPTKALDASGHHETLGEEQRPVFKQHIPANTKVMLISDIDGDGCY  
ELVGYTDRVVRAFRWEELAEGPEHLAQQLVSLKKWMLLEGQVDSLSTPGPLGVPPELWSQPGCAYAVLL  
CTWINKDTGSPASEEATGDSRETPAARDVVLHQTSGRHNKNVSTHLIGNIRQGHNPEGGNAGLFALCTL  
DGTLLKMQEADKLLWSVQVDHQLFALEKLDVTGNLEEVACAWDGGQTYIIDHNRTVWRFQVDENIRAF  
AGQYACKEGRNSPCLVYVTFNQKIYVYWEVQLERMESTNLLKLEAEPEYHRLQLRVPEDLPAVCTL  
LHQTLYHPDQPLQCTPSSFQDPT

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	49 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_598688</a>
Locus ID:	101142



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UniProt ID: [Q91WI7](#)

RefSeq Size: 2314

Cytogenetics: 6 F3

RefSeq ORF: 1329

Synonyms: 2700050P07Rik; AI646725

**Summary:** As part of the KICSTOR complex functions in the amino acid-sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose.[UniProtKB/Swiss-Prot Function]