

Product datasheet for TP502355

Rab5a (NM_025887) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAB5A, member RAS oncogene family (Rab5a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202355 protein sequence Red =Cloning site Green =Tags(s)

MANRGATRPNGPNTGNKICQFKLVLLGESAVGKSSLVLRVFKGQFHEFQESTIGAAFLTQTVCLDDTTVK
FEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNEESFARAKNWWKELQRQASPNIVIALSGNKADLANK
RAVDFQEAQSYADDNSLLFMETSAKTSMNVNEIFMAIAKKLPKNPQNPANSARGRGVDLTEPAQPARS
QCCSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	23.6 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_080163
Locus ID:	271457
UniProt ID:	Q9CQD1
RefSeq Size:	2364



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Cytogenetics: 17 27.82 cM

RefSeq ORF: 648

Synonyms: 2410015H04Rik; AI663973; AU021172; nnyRab5a

Summary: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes. Contributes to the regulation of filopodia extension. Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan (By similarity). Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3 (PubMed:18425118).[UniProtKB/Swiss-Prot Function]