

Product datasheet for TP501779

Kras (NM_021284) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Kirsten rat sarcoma viral oncogene homolog (Kras), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201779 representing NM_021284 Red =Cloning site Green =Tags(s)
	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQWIDGETCLLDILDITAGQEEYSAMRDQ YMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDESDVPMVLVGNKCDLPSRTVDTKQAQELARSYGIP FIETSAKTRQGVDDAFYTLVREIRKHKEKMSKDGKSKKSKSRTRCTVM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	21.9 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:	<u>NP_067259</u>
Locus ID:	16653
UniProt ID:	<u>P32883, Q5J7N1</u>
RefSeq Size:	4663
Cytogenetics:	6 77.37 cM



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RefSeq ORF: 564

Synonyms: AI929937; c-K-ras; c-Ki-ras; K-Ras; K-ras; Ki-ras; Kras-2; Kras2; p21B; ras

Summary: Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (By similarity). Plays an important role in the regulation of cell proliferation (PubMed:6474169, PubMed:1352876). Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]