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Product datasheet for TP504181

Rnls (NM_001167818) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse renalase, FAD-dependent amine oxidase (Rnls), transcript variant 1, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204181 representing NM_001167818 Red=Cloning site Green=Tags(s) MITASSPHNPRCTADLGAQYITCSPHYVKEHQNFYEELLAHGILKPLTSPIEGMKGKEGDCNFVAPQGFS SVIKYYLKKSGAEVSLKHCVTQIHLKDNKWEVSTDTGSAEQFDLVILTMPAPQILELQGDIVNLISERQR EQLKSVSYSSRYALGLFYEVGMKIGVPWSCRYLSSHPCICFISIDNKKRNIESSECGPSVVIQTTVPFGV QHLEASEADVQKLMIQQLETILPGLPQPVATICHKWTYSQVTSSVSDRPGQMTLHLKPFLVCGGDGFTHS NFNGCISSALSVMKVLKRYI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	33.3 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.
Locus ID:	67795
UniProt ID:	A7RDN6, A0A0R4J156
RefSeq Size:	1632

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Cytogenetics:	19 C1
RefSeq ORF:	900
Synonyms:	6530404N21Rik; AI452315; AW060440; C10orf59
Summary:	Catalyzes the oxidation of the less abundant 1,2-dihydro-beta-NAD(P) and 1,6-dihydro-beta-NAD(P) to form beta-NAD(P)(+). The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis.[UniProtKB/Swiss-Prot Function]