

Product datasheet for TP507428

Riox2 (NM_025910) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ribosomal oxygenase 2 (Riox2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207428 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPKKVQPTGDENEEESVPCKRVKEELPETLSVLNFDSPSSFFESLISPIKVETFFKEFWEQKPLLIQRDD PVLAKYYQSLFSLSDLKRLCKGVVYGRDVENVCRSISGKKKVLNKDGRAHFLQLRKDFDQKRATIQFHQP QRYKDELWRIQEKLECYFGSLVGSNVYMTPAGSQGLPPHYDDVEVFILQLEGTKHWRLYSPTVPLAHEYS VESEDRIPTHDFLKPGDLLYFPRGTIHAETPSGLAYSIHLTISTYQNNSWGDCLLDSISGFVFDIA KEDVALRSGMPRRMLLNVPADVTRKLSGFLRTLADQLEGRELLSSDMKKDFVKHRLPPFFEGNGTET MDPGKQLPRLDNIIRLQFKDHIVLTVGPDKNPFDEAQQKVVIYHSLKNVRQMHHMIGEEEESEIFGLRFP LSHVDALKQIWCGSPIRVKELKLDTDEEKENLALSLSWSESLIQVL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	53.6 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_080186
Locus ID:	67014



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UniProt ID:	Q8CD15
RefSeq Size:	2159
Cytogenetics:	16 C1.3
RefSeq ORF:	1398
Synonyms:	1810047J07Rik; 2410057H13Rik; 3830408E23Rik; AI449204
Summary:	Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Is involved in the demethylation of trimethylated 'Lys-9' on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. Also catalyzes the hydroxylation of 60S ribosomal protein L27a on 'His-39' (By similarity). May play an important role in cell growth and survival. May be involved in ribosome biogenesis, most likely during the assembly process of pre-ribosomal particles.[UniProtKB/Swiss-Prot Function]