

Product datasheet for **TP507926**

Aldh9a1 (NM_019993) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse aldehyde dehydrogenase 9, subfamily A1 (Aldh9a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207926 protein sequence Red =Cloning site Green =Tags(s)
	MSTGTFVWSQPLNRYGGARVEPVDASGTEKAFEPATGRVIATFACSGEKEVNLAVENAKAAFKLWSKKSG LERCQVLLAARIKERKDEIATVETINNGKSIFEARLDVDCWQCLEYAGLAASMAGEHIQLPGGSFG YTRREPLGVCVIGAWNYPFQIACWKSAPALACGNAMIFKPSFPTVPSALLLAEIYTKAGAPPGLFNVVQ GGAATGQFLCHHREVAKISFTGVSPTGVKIMEMSAKGVKPITLLEGGKSPLIIFSDCNMENAVKGALMAN FLTQGQVCCNGTRVQKEIADKFINEVVKQTQKIKLGDPLLEDTRMGPLINAPHLERVLGFVKLAKEQG ATVLCGGEVVYPEDPKLKHGYMTPCILTNCRDDMTCVKEEIFGPMVMSILTFGTEAEVLERANDTTFGLA AGVFRDIQRAHRVAAELQAGTCYINNYNVPVELPFGGKYKSGFGRENGRVTIEYSQLKTVCEMGMV ESAF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	53.5 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_064377</u>



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Locus ID:	56752
UniProt ID:	Q9ILJ2 , Q3U367 , Q3TMT4 , Q3V1N7
RefSeq Size:	2834
Cytogenetics:	1 H2.3
RefSeq ORF:	1485
Synonyms:	AA139417; Abaldh; ESTM40; TMABA-DH; Tmabadh
Summary:	Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine with high efficiency (in vitro). Can catalyze the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction, but with low efficiency. [UniProtKB/Swiss-Prot Function]