

Familia	Miembro	LOCUS	Proteína ID	ALDH <i>GLU_Active Site</i> (PS00687) - <i>CYS_Active Site</i> (PS00070)	Localización		Función molecular
2	ALDH2B4a	LOC101490532	XP_004508853	E303 - C337	MITOCONDRIA	SOLUBLE	ALDH (NAD+)
	ALDH2B4b		XP_004508854	E190 - C224	CITOSOL	SOLUBLE	ALDH (NAD+)
	ALDH2B7a	LOC101492709	XP_004509835	E305 - C339	MITOCONDRIA	SOLUBLE	ALDH (NAD+)
	ALDH2B7b		XP_004509834	E306 - C340	MITOCONDRIA	SOLUBLE	ALDH (NAD+)
	ALDH2C4c	LOC101493969	XP_004503432	E264 - C298	CITOSOL	SOLUBLE	ALDH (NAD+)
	ALDH2C4b	LOC101513875	XP_012574767	E268 - C302	CITOSOL	SOLUBLE	ALDH (NAD+)
	ALDH2C4a	LOC101514219	XP_004512967	E270 - C304	CITOSOL	SOLUBLE	ALDH (NAD+)
3	ALDH3F1b	LOC101491914	XP_004507095		PEROXISOME, CITOSOL	MEMBRANA	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3F1a	LOC101497113	XP_004486968		PEROXISOME, CITOSOL	MEMBRANA	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3F1c	LOC101511819	XP_012573731		PEROXISOME, CITOSOL	MEMBRANA	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3H1f	LOC101488602	XP_012575132		CITOSOL	SOLUBLE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity
	ALDH3H1g		XP_004515934		CITOSOL	SOLUBLE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity
	ALDH3H1h	LOC101497514	XP_012567420		CITOSOL	SOLUBLE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity
	ALDH3H1i		XP_012567421		CITOSOL	SOLUBLE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity
	ALDH3H1j	LOC101502106	XP_004514084		MITOCONDRIA, CLOROPLASTO	MEMBRANE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity
	ALDH3H1a	LOC101505038	XP_004503899		CLOROPLASTO	MEMBRANE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated

	ALDH3H1b		XP_004503900		MITOCONDRIA, CLOROPLASTO	MEMBRANE	detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3) ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3H1c	LOC101510937	XP_004502482	E222	PEROXISOME, CLOROPLASTO	MEMBRANE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3H1d	LOC101511680	XP_004502485	E222	PEROXISOME	MEMBRANE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
	ALDH3H1e	LOC101515558	XP_004498346	E222	PEROXISOME	MEMBRANE	ALDH [NAD+/NAD(P)+]; Variable substrate ALDH stress-regulated detoxification pathway activity; Fatty aldehyde dehydrogenase (EC 1.2.1.3)
5	ALDH5F1	LOC101506901	XP_004488550	E299 - C333	MITOCONDRIA	SOLUBLE	Succinate semialdehyde dehydrogenase (EC 1.2.1.24) (NAD(+)/NAD(P)+)
6	ALDH6B2	LOC101490310	XP_004504867	C321	MITOCONDRIA	SOLUBLE	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial
7	ALDH7A1a	LOC101513733	XP_004488077	E266	CITOSOL	SOLUBLE	ALDH (NAD+); Turgor-responsive protein 26G (EC 1.2.1.-)
	ALDH7A1b		XP_012574245	E266	CITOSOL	SOLUBLE	ALDH (NAD+); Turgor-responsive protein 26G (EC 1.2.1.-)
10	ALDH10A8b	LOC101506136	XP_004508822	E260 - C294	CITOSOL	SOLUBLE	Betaine-aldehyde dehydrogenase (EC 1.2.1.8) (BADH).
	ALDH10A8a	LOC101507930	XP_004501961	E260 - C294	CITOSOL	SOLUBLE	Betaine-aldehyde dehydrogenase (EC 1.2.1.8) (BADH).
11	ALDH11A3	LOC101510843	XP_004507722	E264 - C298	CITOSOL	SOLUBLE	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.9)
12	ALDH12A1	LOC101490107	XP_004508769	PS00867 C334	MITOCONDRIA	SOLUBLE	ALDH (NAD+); Delta 1 -pyrroline-5-carboxylate dehydrogenase (P5CDH)
18	ALDH18B3a	LOC101490622	XP_012572021	PS00902, PS01223	CITOSOL	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS); Glutamate 5-kinase activity; Glutamate-5-semialdehyde dehydrogenase
	ALDH18B3f	LOC101495530	XP_012575404		CITOSOL, MIT?	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS)

22	ALDH18B3b	LOC101499756	XP_004491997	PS00902, PS01223	CITOSOL	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS); Glutamate 5-kinase activity; Glutamate-5-semialdehyde dehydrogenase
	ALDH18B3c		XP_012568863	PS00902, PS01223	CITOSOL	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS); Glutamate 5-kinase activity; Glutamate-5-semialdehyde dehydrogenase
	ALDH18B3g	LOC101509592	XP_004514907		CITOSOL, MIT	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS)
	ALDH18B3d	LOC101512568	XP_004506632	PS00902, PS01223	MITOCONDRIA	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS); Glutamate 5-kinase activity; Glutamate-5-semialdehyde dehydrogenase
	ALDH18B3e		NP_001296605	PS00902, PS01223	CITOSOL	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS); Glutamate 5-kinase activity; Glutamate-5-semialdehyde dehydrogenase
	ALDH18B3h	LOC105852801	XP_012574961	PS01223	CITOSOL	SOLUBLE	Delta 1-pyrroline-5-carboxylate synthetase (P5CS)
22	ALDH22A1	LOC101512347	XP_004487758	E298 - C332	SECRETORY PATHWAY, RE	MEMBRAN A	NADP-dependent malic enzyme (EC 1.1.1.40) (NADP-ME)