Recombinant Mouse Adh7 Protein, His&GST-tagged

Cat. No. Adh7-78M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Adh7 Protein (Gly126-Phe374) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly126-Phe374
Description	Enables NAD-retinol dehydrogenase activity and alcohol dehydrogenase (NAD+) activity. Acts upstream of or within ethanol catabolic process; retinoic acid metabolic process; and retinol metabolic process. Predicted to be located in plasma membrane. Predicted to be active in cytosol. Is expressed in several structures, including branchial arch; embryo mesenchyme; endocrine gland; neural fold; and reproductive system. Used to study Parkinson's disease. Orthologous to human ADH7 (alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.7 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Adh7 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide [Mus musculus (house mouse)]
Official Symbol	Adh7
Synonyms	ADH7; alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide; alcohol dehydrogenase class 4 mu/sigma chain; ADH-C2; IV ADH; retinol dehydrogenase; alcohol dehydrogenase 4; gastric alcohol dehydrogenase; alcohol dehydrogenase 3 complex; alcohol dehydrogenase 3 temporal; alcohol dehydrogenase class IV mu/sigma chain; Adh3; Adh4; Adh-3; Adt-1; Adh-3e; Adh-3t; Adh3-e; Adh3-t; AI325182
Gene ID	11529
mRNA Refseq	NM_009626
Protein Refseq	NP_033756

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UniProt ID	Q64437

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