Recombinant Mouse Esd Protein, His-tagged

Cat. No. Esd-1444M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Esd Protein (Ala2-Ala282) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala2-Ala282
Description	Enables hydrolase activity, acting on ester bonds. Predicted to be involved in formaldehyde catabolic process. Predicted to be located in cytoplasmic vesicle. Predicted to be active in cytosol. Is expressed in several structures, including alimentary system; nervous system; respiratory system; sensory organ; and urinary system. Orthologous to human ESD (esterase D).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.9 kDa Accurate Molecular Mass: 34 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Esd esterase D/formylglutathione hydrolase [Mus musculus (house mouse)]
Official Symbol	Esd
Synonyms	ESD; esterase D/formylglutathione hydrolase; S-formylglutathione hydrolase; FGH; sid 478; esterase D; esterase 10; Es10; Es-10; sid478;
Gene ID	13885
mRNA Refseq	NM_016903
Protein Refseq	NP_058599
UniProt ID	Q9R0P3

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