

Recombinant Mouse Chsy1 Protein, His&GST-tagged

Cat. No. Chsy1-784M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Chsy1 Protein (Leu601-Ala800) with His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu601-Ala800
Description	Enables glycosyltransferase activity. Acts upstream of or within several processes, including chondroitin sulfate biosynthetic process; positive regulation of smoothened signaling pathway; and skeletal system development. Predicted to be located in extracellular region. Is expressed in several structures, including alimentary system; brain; cranium; ear; and respiratory system. Human ortholog(s) of this gene implicated in temtamy preaxial brachydactyly syndrome. Orthologous to human CHSY1 (chondroitin sulfate synthase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.9 kDa; Accurate Molecular Mass: 56 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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Chsy1 chondroitin sulfate synthase 1 [Mus musculus (house mouse)]
Official Symbol	Chsy1
Synonyms	CHSY1; chondroitin sulfate synthase 1; chSy-1; chondroitin synthase 1; N-acetylgalactosaminyltransferase 1; chondroitin glucuronyltransferase 1; carbohydrate (chondroitin) synthase 1; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 1; glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase 1; mKIAA0990; KIAA0990;
Gene ID	269941
mRNA Refseq	NM_001081163
Protein Refseq	NP_001074632
UniProt ID	Q6ZQ11

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