

Product Information

MemDX™ Membrane Protein Mouse Galc (Galactosylceramidase) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX0969K**

This product is for research use only and is not intended for diagnostic use.

This product is a Mouse Galc membrane protein expressed *in vitro* E.coli expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Mouse

Target Protein

Galc

Protein Length

Full Length of Mature Protein

Protein Class

Receptor

Molecular Weight

73.1kDa

Sequence

YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSEILDYLFKPNFGASLHILKVEIGGDGQTTDGTETPSHMHYELDENYFRGY

Product Description

Expression Systems

in vitro E.coli expression system

Tag

Tag free

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE.

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

Galc

Full Name

Galactosylceramidase

Introduction

This gene encodes galactosylceramidase, the lysosomal hydrolase involved in the catabolism of galactosylceramide. Mutations in this gene result in slow growth, tremors and hind leg weakness, collectively termed as the 'twitcher' phenotype. In humans, deficiency of this gene product causes a lysosomal storage disorder known as Krabbe disease.

Alternative Names

Galc; Gac; twi; Gacy; AW212969; AW413532; twitcher; 2310068B06Rik; A930008M05Rik; GALCERase; galactocerebroside beta-galactosidase; galactosylceramide beta-galactosidase; Galactosylceramidase

Gene ID

[14420](#)

UniProt ID

[P54818](#)