

STUDIES OF LYSOSOMAL MEMBRANE PROTEIN FUNCTIONS
USING TRANSGENIC MICE ^{MAS}

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Transgenic mice have been employed to study the function of a number of proteins by either expressing a protein in excess of normal (gain of function) or eliminating expression (loss of function). The functions of the lysosomal membrane glycoprotein lgp-B are not known, although this protein is

both abundant and highly conserved in mammals. We have generated mice transgenic for the hamster lgp-B cDNA and are examining the mice for expression of this hamster protein. In addition, mice without a functional lgp-B gene (knockouts) are being developed for loss of function studies.