

32-7699: Recombinant Human ER α -1,2-Mannosidase/MAN1B1 (C-6His)

Gene : MAN1B1

Gene ID : 11253

Uniprot ID : Q9UKM7

Description

Source: Human Cells.

MW :68.7kD.

Recombinant Human MAN1B1 is produced by our Mammalian expression system and the target gene encoding Asp106-Ala699 is expressed with a 6His tag at the C-terminus. Endoplasmic Reticulum Mannosyl-Oligosaccharide 1,2- α -Mannosidase (MAN1B1) belongs to the glycosyl hydrolase 47 family. MAB1B1 is a single-pass type II membrane protein and widely expressed in many tissues. MAB1B1 is involved in glycoprotein quality control targeting of misfolded glycoproteins for degradation. MAB1B1 can be inhibited by both 1-deoxymannojirimycin (dMNJ) and kifunensine. Defects in MAN1B1 are the cause of mental retardation autosomal recessive type 15 (MRT15). Mental retardation is characterized by significantly below average general intellectual functioning, it is also associated with impairments in adaptive behavior and manifested during the developmental period.

Product Info

Amount : 10 μ g / 50 μ g

Content : Supplied as a 0.2 μ m filtered solution of 50mM TrisHCL, 10mM reduced Glutathione, pH 8.0.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : DHWKALAFRLSEEQKMRPEIAGLKPANPPVLPAPQKADTDPENLPEISSQKTQRHIQRGPPHLQIRPPSQDLKD
GTQEEATKRQEAPVDPRPEGDPQRTVISWRGAVIEPEQGTELPSSRAEVPTKPLPPARTQGTPVHLNRYQKG
VIDVFLHAWKGYRKFAWGHDELKPVSRSEWFGGLTLIDALDTMWILGLRKEFEEARKWVSKKLHFEKDVD
VNLFEISTIRILGGLLSAYHLSGDSLFLRKAEDFGNRLMPAFRTPSKIPYSDVNIGTGVAHPPRWTSDESTVAEVTSI
QLEFRELSRLTGDKKFQEAWEKVTQHHGLSGKKDGLVPMFINTHSGLFTHLGVFTLGARADSYEYLLKQWQI
GGKQETQLLEDYVEAIEGVRTHLRHSEPSKLTFFVGLAHGRFSKMDHLVCFPLPGTLALGVYHGLPASHMELA
QELMETCYQMNRQMETGLSPEIVHFNLYPQGRRDVEVKPADRHLLRPETVESLFYLYRVTGDRKYQDWGW
EILQSFSRFRVPSGGYSSINNVQDPQKPEPRDKMESFFLGETLKYLFLLFSDDPNLLSLDAYVFNTAEHPLPIWT
PAVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.