

Recombinant Mouse MAN2B2 Protein, His tagged

Cat. No. MAN2B2-9487M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MAN2B2 Protein with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-1018 aa
Description	Predicted to enable alpha-mannosidase activity. Predicted to be involved in mannose metabolic process. Predicted to be located in extracellular region. Predicted to be active in lysosome. Is expressed in nervous system. Orthologous to human MAN2B2 (mannosidase alpha class 2B member 2).
Molecular Mass	The protein has a calculated MW of 114 kDa.
AA Sequence	<p>QPAGPIRAFVVPHSHMDVGWVFTVQESMRAYAANVYTTVVAELVRGGQRRFIAVE QEFFRLWWDGVASEQQKQQRQLLHEGRLEFVLGGQVMHDEAVTHLDDQILQLTE GHGFLYETFGIRPQFSWHVDPFGASATTPTLFALAGFNAHLISRIDYDLKDAMQEAQ MLQFVWHGSPSLSGQQEIFTHVMDHYSYCTPSHIPFSNRSGFYWNGVAVFPEPPP DGVYPNMSEPVTGANIHLYAEALVANVKQRAAWFRTPHVLWPWGCDKQFFNASVQ FDNMDPLLDYINQRTAQFGISVQYATLNDYFQALHATNMTWGIRDHQDFLPYSSEPL QAWTGFYTSRSTLKGLARQASALLYAGESMFTRYMWPDPSTLDPTWALQQLQQL RWAVSEVQHHDAITGTESPKVKNMYTEHLRMGMLGVRKLMVSIALGGPPGSGTGA PKDIMGPQVTPVLSVDTRPVGYSASVYNPLAWKITTITLTVAFPNVSVTDELGHPVS TQIQNSTKDPSAYDLLLTTIPGLNRYHVMHARGDQAGTRELVAPRANTLKFSCLK</p>

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RNQPSQEGKRLVPVMNDCYILLFDQDTNMLHSIQDRQSNRTVRMTQEFLEYQANW
 DVKQGPISDNYLFAPNNTAEPSWEAVGMEMVAGTLVTDIRQYFYRYITDQEYIYSIHT
 RLAHPSLAGELLQCRIEQQYRVGPLDLNREAILRTSSDLNSQQVLYSDNNGYQMQR
 RPYKAFKSNPIPRNYYPMVQSAFIEDDKSRLVLLAERPHGVSSQGNGQVEVMLHRR
 LWNNLAWDLKYNLTLNDTSIVHPVLWMLGPKSTMTALHPRSGVALQHGPVLLKE
 LADEETPVHGHNPWPVTLPPNLHLQILSVPGWYTSRSHAQHLRNLQRGHPEKPKQ
 ANLQRVLLRLRHLYEAGEDPVLSPATVDLKVVLRLGLGSVVAVEERSLTGTWDVQM
 LQRWHWSTKTDHLKGHPTSPRPPGGSIITVYPKEIRTFKIFQQHHHHHHHH

Endotoxin < 1 EU/μg by LAL

Purity > 85% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.34 mg/mL by BCA

Storage Buffer Sterile PBS, pH 7.4

GENE INFORMATION

Gene Name [Man2b2 mannosidase 2, alpha B2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Man2b2](#)

Synonyms MAN2B2; mannosidase 2, alpha B2; epididymis-specific alpha-mannosidase; 135 kD alpha-D-mannosidase; 135 kDa alpha-D-mannosidase; mannosidase alpha class 2B member 2; mKIAA0935;

Gene ID [17160](#)

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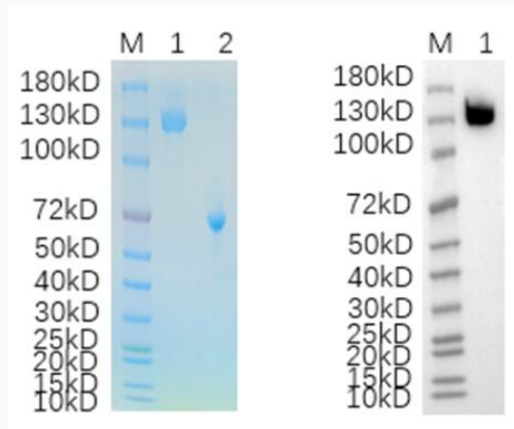
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mRNA Refseq [NM_008550](#)

Protein Refseq [NP_032576](#)

UniProt ID [Q3TND6](#)

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profile of purified MAN2B2.



1. MAN2B2-9487M
2. BSA

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