

Recombinant Human WBSCR17, His-tagged

Cat. No. WBSCR17-201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Putative Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 3/WBSCR17 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Cys28-Lys598) of Human WBSCR17 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	28-598 a.a.
Description	Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 3 (WBSCR17) belongs to the glycosyltransferase 2 family and GalNAc-T subfamily. WBSCR17 is a single-pass type II membrane protein which contains one ricin B-type lectin domain. WBSCR17 is highly expressed in brain and heart, weakly in kidney, liver, lung, and spleen. WBSCR17 may catalyze the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Defects in WBSCR17 are caused of a multisystem developmental disorder.
AA Sequence	CRPIAVRSGDAFHEIRPRAEVANLSAHSASPIQDAVLKRLSLLEDIVYRQLNGLSKSL GLIEGYG GRGKGGLPATLSPAEEEEKAKGPHEKYGYNSYLSEKISLDRSIPDYRPTKC KELKYSKDLPLQISII FIFVNEALSVILRSVHSAVNHTPTHLLKEIILVDDNSDEEELKVPL EEYVHKRYPGLVKVVRNQG REGLIRARIEGWKVATGQVTGFFDAHVEFTAGWAEP

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VLSRIQENRKRVLPSIDNIKQDNFEVQR YENSAHGYSWELWCMYISPPKDWWDAG
DPSLPIRTPAMIGCSFVVRKFFGEIGLLDPGMDVYGG ENIELGIKWVLCGGSMEVL
PCSRVAHIERKKKPYNSNIGFYTKRNALRVAEVMDDYKSHVYIAW NLPLENPGIDI
GDVSERRALRKSLKCKNFQWYLDHVYPEMRRYNNTVAYGELRNNKAKDVCLDQG
PLENHTAILYPCHGWGPQLARYTKEGFLHLGALGTTTLLPDTRCLVDNSKSRLPQLL
DCDKVKSS LYKRWNFIQNGAIMNKGTGRCLEVENRGLAGIDLILRSCTGQRWTIKN
SIKVDHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
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