

Product datasheet for **SC208709**

B4GALT7 (NM_007255) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	B4GALT7 (NM_007255) Human 3' UTR Clone
Symbol:	B4GALT7
Synonyms:	EDSP1; EDSSLA; EDSSPD1; XGALT1; XGPT; XGPT1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_007255
Insert Size:	665 bp
Insert Sequence:	<p>>SC208709 3'UTR clone of NM_007255</p> <p>The sequence shown below is from the reference sequence of NM_007255. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ACCGCCACACCCTGGTGACATTACAGCTGAGCTGGATGGACAGTGAGGAAGCCTGTACCTACAGGCCAT
ATTGCTCAGGCTCAGGACAAGGCCTCAGGTCGTGGGCCAGCTCTGACAGGATGTGGAGTGGCCAGGAC
CAAGACAGCAAGCTACGCAATTGCAGCCACCCGCGCCAAGGCAGGCTTGGGCTGGGCCAGGACACGT
GGGGTGCCTGGGACGCTGCTTGCCATGCACAGTGATCAGAGAGAGGCTGGGGTGTGTCTGTCCGGGAC
CCCCCTGCCTTCTGCTCACCTACTCTGACCTCCTTACGTGCCAGGCCTGTGGGTAGTGGGGAGG
GCTGAACAGGACAACCTCTCATACCCCCACTTTTGTTCCTTCTGCTGGGCTGCCTCGTGACAGAGACA
CAGTGTAGGGGCCATGCAGCTGGCGTAGGTGGCAGTTGGGCTGGTGAGGGTTAGGACTTCAGAAACCA
GAGCACAAGCCCCACAGAGGGGGAACAGCCAGCACCGCTCTAGCTGGTTGTTGCCATGCCGAATGTGG
GCCTAGTGTGGCAGATCTTCTGATTTTTCGAAAGAACTAGAATGCTGGATTCTTAAGTGATATCTTC
TGATTTTTTAAATGATAGCACCTAAATGAACTTTCAAAAAGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).


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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_007255.3</u>
Summary:	This gene is a member of the beta-1,4-galactosyltransferase (beta4GalT) family. Family members encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose. Each beta4GalT member has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus which then remains uncleaved to function as a transmembrane anchor. The enzyme encoded by this gene attaches the first galactose in the common carbohydrate-protein linkage (GlcA-beta1,3-Gal-beta1,3-Gal-beta1,4-Xyl-beta1-O-Ser) found in proteoglycans. This enzyme differs from other beta4GalTs because it lacks the conserved Cys residues found in beta4GalT1-beta4GalT6 and it is located in cis-Golgi instead of trans-Golgi. Mutations in this gene have been associated with the progeroid form of Ehlers-Danlos syndrome. [provided by RefSeq, Oct 2009]
Locus ID:	11285
MW:	23.9