
Product Data Sheet

Product Name: CD57 Human
 Cat. No.: GP26241
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	B3GAT1, CD57, GLCATP, GLCUATP, HNK1, LEU7, NK-1, NK1, Beta-1,3-glucuronyltransferase 1, Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase, GlcUAT-P.		
Amino Acid Sequence	ADPTLAPLLA VHKDEGSDPR RETPPGADPR EYCTSDRDIV EVVRTEYVYT RPPPWSDTLPTIHVVPTYS RPVQKAE LTR MANTLLHVPN LHWLVVEDAP RRTPLTARLL RDTGLNYTHLHVETPRNYKL RGDARDPRIP RGTMQRN LAL RWLRETFPRN SSQPGVVYFA DDDNTYSLELFEEMRSTRRV SVWPVAFVGG LRYEAPRVNG AGKVVGWKT V FDPHRPFAID MAGFAVNLRLILQRSQAYFK LRGVKGGYQE SLLRELVT L NDLEPKAANC TKILVWHTRT EKPVLVNEGKKGFTDPSVEI LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVVDVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVSNKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESNGQPENNYKTT PPVLDS DGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSL SLS PGKHHHHHH.		
Formulation	The CD57 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 10% glycerol and 0.1M NaCl.		

Introduction

CD57 also called B3GAT1 is part of the glucuronyltransferase gene family. CD57 exhibits strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. CD57 takes part in the glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for

Caution: Product has not been fully validated for medical applications. For research use only.

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longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD57 Human Recombinant produced in Baculovirus is a single, glycosylated, polypeptide chain containing 549 amino acids (28-334aa) and having a molecular mass of 62.3kDa. CD57 is fused to a 242 amino acid hlgG-His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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