
Product Data Sheet

Product Name: CLEC10A Human
 Cat. No.: GP23174
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-Type Lectin Domain Containing 10A; C-Type Lectin Domain Family 10 Member A; C-Type (Calcium Dependent; Carbohydrate-Recognition Domain) Lectin; Superfamily Member 14 (Macrophage-Derived); Macrophage Lectin 2 (Calcium Dependent); CLECSF13; CLECSF14; HML; C-Type (Calcium Dependent; Carbohydrate-Recognition Domain) Lectin; Superfamily Member 13 (Macrophage-Derived); C-Type Lectin Domain Family 10; Member A; C-Type Lectin Superfamily Member 14; Macrophage Lectin 2; CD301 Antigen; CD301; HML2; MGL.		
Amino Acid Sequence	ADPQNSKFQR DLVTLRTDFS NFTSNTVAEI QALTSQGSSL EETIASLKAE VEGFKQERQA VHSEMLLRVQ QLVQDLKKLKLT CQVATLNNNG EEASTEGTCC PVNWVEHQDS CYWFSHSGMS WAEAKEYCQL KNAHLVVINS REEQNFVQKY LGSAYTWMGL SDPEGAWKWV DGTDYATGFQ NWKPGQPDDW QGHGLGGGED CAHFHPDGRW NDDVCQRPYH WVCEAGLGQT SQESHSHHHHH H.		
Formulation	CLEC10A protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4).		

Introduction

C-Type Lectin Domain Family 10, Member A (CLEC10A) is a part of the C-type lectin superfamily. CLEC10A is expressed in immature myeloid dendritic cells and alternatively activated macrophages. CLEC10A takes part in regulating adaptive and innate immune responses and also binds in a calcium dependent way to terminal galactose and N-acetylgalactosamine, linked to serine or threonine.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

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

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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

CLEC10A Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 241 amino acids (61-292a.a.) and having a molecular mass of 27.3kDa. (Molecular size on SDS-PAGE under reducing conditions 28-40kDa). CLEC10A is expressed with a 9 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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