
Product Data Sheet

Product Name: CLEC5A Human
 Cat. No.: GP23172
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-type lectin domain family 5 member A ; CLECSF5; MDL-1;MDL1; C-type lectin superfamily member 5; Myeloid DAP12-associating lectin 1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSPQIFNKS NDGFTTTRSY GTVSQIFGSS SPSPNGFITT RSYGTVCPKD WEFYQARCFE LSTSESSWNE SRDFCKGKGS TLAIVNTPEK LKFLQDITDA EKYFIGLIYH REEKRWRWIN NSVFNGNVTN QNQNFNCATI GLTKTFDAAS CDISYRRICE KNAK.		
Formulation	CLEC5A protein solution (0.25mg/ml) containing 20mMTris-HCl buffer, (pH8.0) and 10% glycerol.		

Introduction

C-type lectin domain family 5-member A isoform 1 (CLEC5A) is part of the CTL/CTLD superfamily which carry various functions, for instance cell-cell signaling, cell adhesion, glycoprotein turnover, in addition to their inflammation & immune response abilities. CLEC5A operates as a cell attachment receptor for all 4 serotypes of Dengue virus in addition to Japanese encephalitis virus. CLEC5A binds to the dengue virus and it triggers signaling through the phosphorylation of TYROBP, as a result no viral entrance occurs, however this interaction does stimulate proinflammatory cytokine release. CLEC5A preforms as a positive regulator of osteoclastogenesis and also a main regulator of synovial injury & bone erosion for the period of autoimmune joint inflammation.

Stability

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

CLEC5A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (28-188 a.a) and having a molecular mass of 20.8kDa. CLEC5A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA