
Product Data Sheet

Product Name: CLEC2D Human
 Cat. No.: GP26258
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	C-type lectin domain family 2 member D, CLAX1, LLT11, OCIL.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSRANCHQE PSVCLQAACP ESWIGFQRKC FYFSDDTKNW TSSQRFCDQSQ DADLAQVESF QELNLLRYK GPSDHWIGLS REQGQPWKWI NGTEWTRQFP ILGAGECAYL NDKGASSARH YTERKWICKS SDIHV		
Formulation	The CLEC2D solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M urea.		

Introduction

C-type lectin domain family 2, also referred to CLEC2D, is a receptor for KLRB1 which protects target cells against natural killer cell-mediated lysis. It has been shown that CLEC2D inhibits osteoclast formation and bone resorption. The protein controls the release of interferon-gamma and contains a transmembrane domain near the N-terminus likewise the C-type lectin-like extracellular domain.

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

CLEC2D Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids (60-191 a.a.) and having a molecular mass of 17.7 kDa. CLEC2D is fused to a 23 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

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

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