
Product Data Sheet

Product Name: CARD18 Human
 Cat. No.: GP22973
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Caspase recruitment domain family member 18; ICEBERG; pseudo-ICE; UNQ5804; Caspase-1 inhibitor Iceberg; ICEBERG caspase-1 inhibitor.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MADQLLRKKR RIFIHSVAG TINALLDCLL EDEVISQEDM NKVRDENDTV MDKARVLIDL VTGKGPKSCC KFIKHLCEED PQLASKMGLH		
Formulation	The LSM3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

Introduction

CARD18 belongs to the death-domain-fold superfamily which is induced by proinflammatory stimuli. CARD18 contains basically only a Caspase recruitment domain, inhibits generation of IL-1 β by cooperating with caspase-1 and inhibiting connotation with RIP 2. The connotation of CARD18 to caspase-1 is enabled by the charge-charge interactions between the prodomain of caspase-1 and the surface charge of CARD18.

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

CARD18 Human Recombinant produced in E. coli is a single polypeptide chain containing 110 amino acids (1-90) and having a molecular mass of 12.3kDa. CARD18 is fused to a 20 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.

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