

CARD18 Human

Description: 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.

Catalog #: PRPS-1068

For research use only.

Synonyms: Caspase recruitment domain family member 18, ICEBERG, pseudo-ICE, UNQ5804, Caspase-1 inhibitor Iceberg, ICEBERG caspase-1 inhibitor.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MADQLLRKKR RIFIHSGAG
TINALDCLL EDEVISQEDM NKVRDENDTV MDKARVLIDL VTGKGPKSCC KFIKHLCEED
PQLASKMGLH

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The LSM3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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-1b 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.

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