

## 32-3421: CARD18 Recombinant Protein

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

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The LSM3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MADQLLRKKR RIFIHVGAG TINALLDCLL EDEVISQEDM NKVRDENDTV MDKARVLIDL VTGKGPKSCC KFIHLCEED PQLASKMGLH

