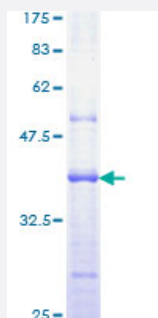


CARD12 (Human) Recombinant Protein (Q01)

Catalog # H00058484-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CARD12 partial ORF (AAH31555, 531 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QESLQSVKNTTEQEILKAININSFVECGIHLHQESTSKSALSQEFEAFFQGKSLYINSGNIPDYLFDFEHLPNCASALDFIKLDFYGGAMASWEKAAED
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NLRC4

Entrez GeneID [58484](#)

GeneBank Accession# [BC031555](#)

Protein Accession# [AAH31555](#)

Gene Name NLRC4

Gene Alias CARD12, CLAN, CLAN1, CLANA, CLANB, CLANC, CLAND, CLR2.1, IPAF

Gene Description NLR family, CARD domain containing 4

Omim ID [606831](#)

Gene Ontology [Hyperlink](#)

Gene Summary In C. elegans, Ced4 binds and activates Ced3, an apoptotic initiator caspase, via caspase-associated recruitment domains (CARDs). Human Ced4 homologs include APAF1 (MIM 602233), NOD1/CARD4 (MIM 605980), and NOD2/CARD15 (MIM 605956). These proteins have at least 1 N-terminal CARD domain followed by a centrally located nucleotide-binding domain (NBD or NACHT) and a C-terminal regulatory domain, found only in mammals, that contains either WD40 repeats or leucine-rich repeats (LRRs). CARD12 is a member of the Ced4 family and can induce apoptosis. [supplied by OMIM]

Other Designations ICE-protease activating factor|NOD-like receptor C4|caspase recruitment domain family, member 12|caspase recruitment domain protein 12|nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 4

Disease

- [Dermatitis](#)