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Product datasheet for TP762260

CARD15 (NOD2) (NM_022162) Human Recombinant Protein

Product data:

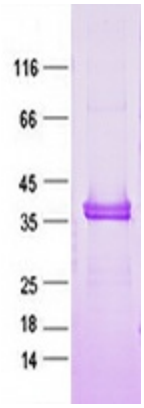
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human nucleotide-binding oligomerization domain containing 2 (NOD2), Ala110-Asn409, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Ala110-Asn409) of NOD2
Tag:	N-His
Predicted MW:	33.9 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_071445
Locus ID:	64127
UniProt ID:	Q9HC29
RefSeq Size:	4485
Cytogenetics:	16q12.1
RefSeq ORF:	3120
Synonyms:	ACUG; BLAU; BLAUS; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; YAOS

Summary: This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFKB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]

Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

Product images:



Purified recombinant protein NOD2 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.