

Product Datasheet

Recombinant Human NOD1 GST (N-Term) Protein H00010392-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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H00010392-P01-10ug**Recombinant Human NOD1 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	134.1 kDa

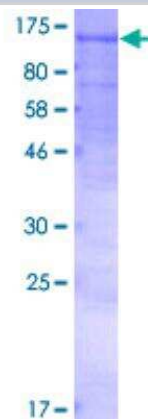
Product Description	
Description	A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-953 of Human NOD1 Source: <i>Wheat Germ (in vitro)</i> Amino Acid Sequence: MEEQGHSEMEIIPSESHPHIQLLKSNRELLVTHIRNTQCLVDNLLKNDYFSAEDA EIVCACPTQPDKVRKILDLVQSKGEEVSEFFLYLLQQLADAYVDLRPWLEIGFS PSLLTQSKVVVNTDPVSRYTQQLRHHLGRDSKFVLCYAQKEELLLEEIYMDTIM ELVGFSNESLGSLSLACLDDHTTGILNEQGETIFILGDAGVGKSMMLQRLQSL WATGRLDAGVKFFFHFRCRMFSKESDRLCLQDLLFKHYCYPERDPPEEVFAF LLRFPHVALFTFDGLDELHSDLDLSRVPDSSCPWEPAPHLVLLANLLSGKLLKG ASKLLTARTGIEVPRQFLRKKVLLRGFSPSHLRAYARRMFPERALQDRLLSQLE ANPNLCSLCSVPLFCWIIIFRCFQHFRAAFEGSPQLPDCTMTLTDVFLLVTEVHL NRMQPSSLVQRNTHSPVETLHAGRDTLCSLGQVAHRGMEKSLFVFTQEEVQA SGLQERDMQLGFLRALPELPGGGDQQSYEFFHLTLQAFFTAFFLVDDRVTGQ ELLRFFQEWMPAGAAATTSCYPPFLPFQCLQGSGPAREDLFKNKDHQFTNLF LCGLLSKAKQKLLRHLVPAALRRKRKALWAHLFSSLRGYKLSLPRVQVESFN QVQAMPTFIWMLRCIYETQSQKVGQLAARGICANYLKLTYCNACSAADCSALSF VLHHFPKRLALDLNNDYGVRELQPCFSRLTVLRLSVNQITDGGVKVLSEE LTKYKIVTYLGLYNNQITDVGARYVTKILDECKGLTHLKLGNKITSEGGKYLALA VKNSKSISEVGMWGNQVGDEGAKAFEAALRNHPSLTTLASNGISTEGGKSL ARALQQNTSLEILWLTQNELNDEVAESLAEMLVNQTLKHLWLIQNQITAKGTA QLADALQSNTGITEICLNGNLIKPEEAKVYEDEKRIICF
Gene ID	10392
Gene Symbol	NOD1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

Images

Recombinant Human NOD1 Protein [H00010392-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Hara H, Seregin SS, Yang D et al. The NLRP6 Inflammasome Recognizes Lipoteichoic Acid and Regulates Gram-Positive Pathogen Infection. *Cell*. 2018-10-26 [PMID: 30392956] (Human)

Hong Tj, Hahn Js. Application of SGT1-Hsp90 chaperone complex for soluble expression of NOD1 LRR domain in *E. coli*. *Biochem. Biophys. Res. Commun.* 2016-09-30 [PMID: 27591899]

Askari N, Correa RG, Zhai D et al. Expression, purification, and characterization of recombinant NOD1 (NLRC1): A NLR family member. *J Biotechnol* 2012-01-01 [PMID: 22062585]

Laroui H, Yan Y, Narui Y et al. L-Ala- γ -D-Glu-meso-diaminopimelic Acid (DAP) Interacts Directly with Leucine-rich Region Domain of Nucleotide-binding Oligomerization Domain 1, Increasing Phosphorylation Activity of Receptor-interacting Serine/Threonine-protein Kinase 2 and Its Interaction with Nucleotide-binding Oligomerization Domain 1. *J Biol Chem*;286(35):31003-31013. 2011-09-02 [PMID: 21757725]





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Products Related to H00010392-P01-10ug

NB100-56152PEP	NOD1 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
NB100-56152	NOD1 Antibody
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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