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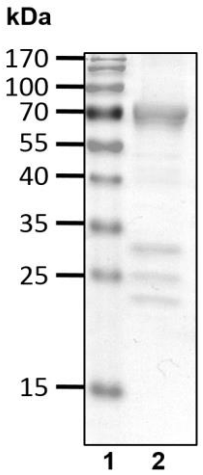
GST-NEMO (L329P)

Cat. # I1510, I1511

Also Known as: IKBKG; IP; IP1; IP2; FIP3; IPD2; NEMO; FIP-3; Fip3p; AMCBX1; ZC2HC9; IKK-gamma
NCBI Reference: NM_001099857
MW (no tag): 48.2 kDa
Species: Human
Source: Bacterial recombinant
Tag: GST
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM βME, 10% Glycerol
Concentration: See tube label
Quality Assurance: ~80% by SDS-PAGE

Image



Coomassie-stained SDS-PAGE
Lane 1: Molecular weight markers
Lane 2: 5 µg purified GST-NEMO (L329P)

Description: NF-κB essential modulator (NEMO) is a regulatory subunit within IκB kinase (IKK). IKK is also composed of two unrelated catalytic subunits called IKKα and IKKβ. NEMO is additionally referred to as IKKγ, IKKAP1, or FIP-3. IKK is responsible for activating the transcription factor, NF-κB, which is involved in immune response. NEMO prefers to bind K63-linked or linear polyubiquitin chains.

The L329P substitution abolishes NEMO interacts with linear polyUb chains and long K63 polyubiquitin chains.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles
Note: N/A
Literature:
1. Rothwarf DM, *et al* . (1998) Nature 395, 297 – 300.
2. Yamaoka S, *et al* . (1998) Cell 93, 1231 – 1240.
3. Ghosh S, Karin M (2002) Cell 109 Suppl, S81 – 96.