

Carna Biosciences, Inc.

3F, BMA, 1-5-5, Minatojima-Minamimachi, Chuo-ku, Kobe 650-0047 Japan

PHONE: +81-78-302-7091 FAX: +81-78-302-7086

e-mail: info@carnabio.com URL: http://www.carnabio.com

Product Information

JAK2(JH1 JH2)[V617F]

Product Number: 08-515

Product description

Human JAK2, catalytic/pseudo-kinase domain [532-1132(end) amino acids and V617F of accession number NP_004963.1] was expressed as N-terminal GST-fusion protein (97 kDa) using baculovirus expression system. GST-JAK2(JH1 JH2)[V617F] was purified by using glutathione sepharose chromatography.

Storage buffer:

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

Storage and Handling:

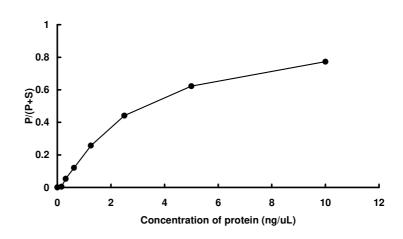
Store at -80C. Avoid repeating freeze-thaws.

SDS-PAGE

100 - 250 - 201 - 202 - 202 - 203 - 203 - 203 - 203 - 204 - 203 - 204 - 205 -

Purity: 56 % The purity was assessed by SDS-PAGE/CBB staining.

Activity data



The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorecence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.

Substrate: Srctide

ATP: $100 \mu M$