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32-7604: Recombinant Human Dual Specificity Protein Phosphatase 3/DUSP3 (N-6His)

Gene : DUSP3
Gene ID : 1845
Uniprot ID : P51452

Description

Source: E.coli.
MW :22.6kD.
Recombinant Human Vaccinia Virus VH1-related Phosphatase is produced by our E.coli expression system and the target gene encoding Ser2-Pro185 is expressed with a 6His tag at the N-terminus. Human DUSP3 belongs to the dual specificity protein phosphatase subfamily. DUSPs are a heterogeneous group of protein phosphatases that can dephosphorylate both phosphotyrosine and phosphoserine/phosphothreonine residues within the one substrate. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. DUSPs are major modulators of critical signalling pathways that are dysregulated in various diseases. They negatively regulate members of the mitogen-activated protein kinase superfamily, which are associated with cellular proliferation and differentiation. DUSP3 is expressed in human tissues including breast and ovarian.DUSP3 shows activity both for tyrosine-protein phosphate and serine-protein phosphate, but displays a strong preference toward phosphotyrosines. Human DUSP3 specifically dephosphorylates and inactivates ERK1 and ERK2.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of PBS,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMSGSFELSVQDLNDLLSDGSGCYSLPSQPCNEVTPRIYVGNASVAQDIPKLQ
KLGITHVLNAAEGRSFMHVNTNANFYKDSGITYLGIKANDTQEFNLSAYFERAADFIDQALAQKNGRVLVHCRE
GYSRSPTLVIAYLMMRQKMDVKSALSIVRQNREIGPNDGFLAQLCQLNDRLAKEGKLKP

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.