cellsciences.com

DUSP3
Recombinant Human Dual Specificity Protein Phosphatase VHR

Catalog No.	CSI11749	**Quantity:**	20 µg

Alternate Names: Dual specificity protein phosphatase 3, Vaccinia H1-related phosphatase, VHR

Description: The mammalian dual-specificity protein-tyrosine phosphatase VHR (for VH1-related) has been identified as a novel regulator of extracellular regulated kinases (ERKs). Vaccinia Virus VH1-related Phosphatase (VHR), also known as Dual-Specificity Phosphatase 3 (DUSP3), removes phosphate groups from tyrosine, serine, and threonine residues. It belongs to a family of phosphatases that selectively dephosphorylate MAP kinases. VHR has been shown to act as a phosphatase for several members of the MAP kinase family including ERK1, ERK2, and JNK. It is a target for the ZAP-70 kinase, and phosphorylation of VHR at tyrosine 138 leads to a downregulation of ERK2 activity. It's well defined biochemistry has made VHR useful in screening assays for compounds that inhibit phosphatases.

UniProt ID: P51452

Gene ID: 1845

Source: *E. coli*

Formulation: 50 mM HEPES, 40 mM NaCl, 1 mM EDTA, 1 mM DTT, pH 7.4

Purity: > 90% by SDS-PAGE

Storage & Stability: Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. **Avoid freeze / thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com