

Datasheet for ABIN667577

**Dual Specificity Phosphatase 3 (DUSP3) (AA 1-185) protein
(His tag)**[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Dual Specificity Phosphatase 3 (DUSP3)
Protein Characteristics:	AA 1-185
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	DUSP3, 1-185 aa , Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Dual Specificity Phosphatase 3 (DUSP3)
Alternative Name:	DUSP3 (DUSP3 Products)
Target Type:	Viral Protein
Background:	DUSP3 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein kinase superfamily, which are associated with cellular

Target Details

proliferation and differentiation. DUSP3 is expressed in both breast and ovarian tissues. DUSP3 Shows activity both for tyrosine-protein phosphate and serine-protein phosphate, but displays a strong preference toward phosphotyrosines. Specifically dephosphorylates and inactivates ERK1 and ERK2. Recombinant human DUSP3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Dual specificity protein phosphatase 3, VHR. NCBI no.: NP_004081

Molecular Weight: 22.6 kDa (205aa), confirmed by MALDI-TOF

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Restrictions: For Research Use only

Handling

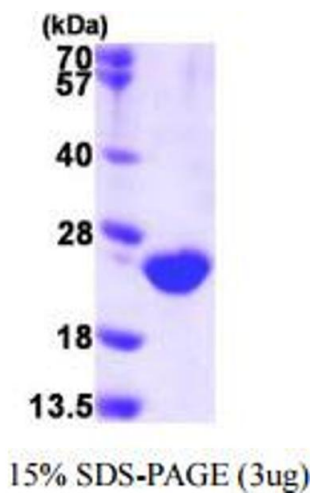
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford)

Buffer: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.

Storage: 4 °C

Images



SDS-PAGE

Image 1.