

## General Information

### Gene Name Synonym

Dual specificity protein phosphatase VHR;  
Vaccinia H1-related phosphatase

### Protein Construction

A DNA sequence encoding the human VHR (P51452)(Met 1-Pro 185) was expressed and purified with two additional amino acids (Gly & Pro ) at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by hydrolysis of 250  $\mu$ M 3-O-methyl fluorescein phosphate (OMFP).  
The specific activity is  $>1.0 \mu\text{mol}/\text{min}/\text{mg}$ .

### Purity

$> 95 \%$  as determined by SDS-PAGE

### Endotoxin

$< 1.0 \text{ EU per } \mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^\circ\text{C}$

### Predicted N terminal

Gly

## Molecular Mass

The secreted recombinant human VHR consists of 187 amino acids and predicts a molecular mass of 20.6 KDa. The apparent molecular mass of the protein is approximately 21 KDa in SDS-PAGE under reducing conditions due to glycosylation.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

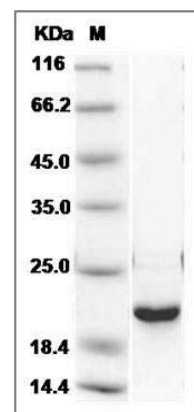
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  to  $-80^\circ\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human DUSP3 / VHR Protein SDS-PAGE