

# Human DUSP3 Recombinant Protein



RPPB1601

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## Product Information    Protein Information

**Product SKU:**

RPPB1601

**Accession:**

P51452

**Host:**

E.coli.

**Protein description:**

DUSP3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-185) and having a molecular mass of 22.6 kDa. DUSP3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Dual specificity phosphatase 3, VHR, Vaccinia virus phosphatase VH1-related, Dual specificity protein phosphatase VHR, Vaccinia H1-related phosphatase, serine/threonine specific protein phosphatase.

**Formulation:**

The DUSP3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 2mM DTT and 10% glycerol.

**Purity:**

Greater than 95% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SSGLVPRGSH MSGSFELSVQ DLNDLLSDGS GCYSLPSQPC NEVTPRIYVG NASVAQDIPK  
LQKLGITHVL NAAEGRSFMH VNTNANFYKD SGITYLGIKA NDTQEFNLSA YFERAADFID QALAQKNGRV  
LVHCREGYSR SPTLVIAIYLM MRQKMDVKSA LSIVRQNR EI GPNDGFLAQL CQLNDR LAKE GKLKP.

**Biological Activity:**

Specific activity: >1,750 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme hydrolyzing 1 nmole of p-nitrophenyl phosphate (pNPP) per minute at 37C, pH7.5 using 10mM of substrate.