

Human recombinant protein DUSP3
Human Recombinant DUSP3
Catalog # PBV10607r**Specification**

Human recombinant protein DUSP3 - Product info

Primary Accession	P51452
Concentration	1
Calculated MW	22.6 kDa (205 aa, 1-185 aa + NT His-Tag) kDa

Human recombinant protein DUSP3 - Additional Info

Gene ID	1845
Gene Symbol	DUSP3
Other Names	
Dual specificity protein phosphatase 3, VHR.	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>1750 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MSGSFELSVQ DLNDLLSDGS GCYSLPSQPC NEVTPRIYVG NASVAQDIPK LQKLGITHVL NAAEGRSFMH VNTNANFYKD SGITYLGIKA NDTQEFNLSA YFERAADFID QALAQKNGRV LVHCREGYSR SPTLVIAYLM MRQKMDVKSA LSIVRQNREI GPNDGFLAQL CQLNDRLAKE GKLKP

Format
Liquid**Storage**

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT and 0.15 M NaCl.

Human recombinant protein DUSP3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein DUSP3 - Images

Human recombinant protein DUSP3 - Background

DUSP3 belongs to the dual specificity protein phosphatase subfamily which inactivates their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. DUSP3 negatively regulate members of the mitogen-activated protein kinase superfamily that are related to cellular proliferation and differentiation. DUSP3 is expressed in both breast and ovarian tissues and displays activity both for tyrosine-protein phosphate and serine-protein phosphate, but exhibits a strong preference toward phosphotyrosines, specifically dephosphorylates and inactivates ERK1 and ERK2.

Human recombinant protein DUSP3 - References

Ishibashi T.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:12170-12174(1992).
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Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Todd J.L.,et al.J. Biol. Chem. 274:13271-13280(1999).