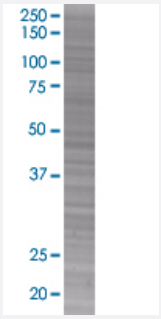
DUSP6 293T Cell Transient Overexpression Lysate(Denatured)

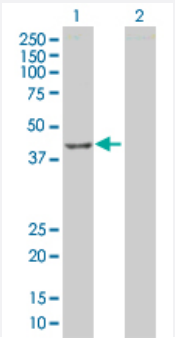
Catalog # H00001848-T01 Size 100 uL

Applications



SDS-PAGE Gel

DUSP6 transfected lysate



Western Blot

Lane 1: DUSP6 transfected lysate (42.3 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DUSP6 full-length
Host	Human
Theoretical MW (kDa)	42.3
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-DUSP6 antibody (H00001848-B01) by We stern Blots. SDS-PAGE Gel DUSP6 transfected lysate Western Blot Lane 1: DUSP6 transfected lysate (42.3 KDa). Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DUSP6

Entrez GeneID	1848
GeneBank Accession#	NM_001946
Protein Accession#	NP_001937
Gene Name	DUSP6
Gene Alias	MKP3, PYST1
Gene Description	dual specificity phosphatase 6
Omim ID	602748
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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 (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	MAP kinase phosphatase 3|serine/threonine specific protein phosphatase

Pathway

- MAPK signaling pathway

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure