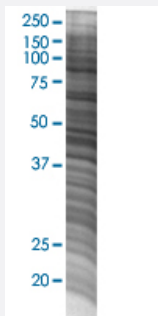


DUSP14 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00011072-T02

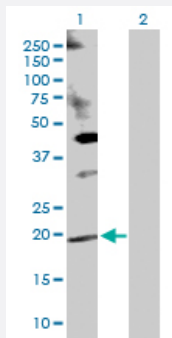
Size 100 uL

Applications



SDS-PAGE Gel

DUSP14 transfected lysate.



Western Blot

Lane 1: DUSP14 transfected lysate (22.30 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DUSP14 full-length
Host	Human
Theoretical MW (kDa)	22.3
Interspecies Antigen Sequence	Mouse (93); Rat (94)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DUSP14 antibody ([H00011072-D01P](#)) by Western Blots.
SDS-PAGE Gel
DUSP14 transfected lysate.
Western Blot
Lane 1: DUSP14 transfected lysate (22.30 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 — DUSP14

Entrez GeneID[11072](#)**GeneBank Accession#**[NM_007026.1](#)**Protein Accession#**[NP_008957.1](#)**Gene Name**

DUSP14

Gene Alias

MKP-L, MKP6

Gene Description

dual specificity phosphatase 14

Omim ID[606618](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

In addition to antigen recognition by the T-cell receptor, T-cell activation requires a second signal from a costimulatory receptor, such as CD28 (MIM 186760), which interacts with B7-1 (CD80; MIM 112203) and B7-2 (CD86; MIM 601020) ligands on antigen-presenting cells. CD28 costimulation induces transcription of interleukin-2 (IL2; MIM 147680) and stabilizes newly synthesized IL2 through the activation of mitogen-activated protein kinases (MAPKs), such as ERK (e.g., MAP2K4; MIM 601335) and JNK (see MIM 601158), and the subsequent creation of AP1 transcription factor (see MIM 165160). DUSP14 is a negative regulator of CD28 signaling.[supplied by OMIM]

Other Designations

MKP-1 like protein tyrosine phosphatase|OTTHUMP00000164064|OTTHUMP00000164065

Pathway

- [MAPK signaling pathway](#)