

# Recombinant Human DUSP7

Catalog No: #GP13324



Package Size: #GP13324-1 100ug

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## Description

Product Name	Recombinant Human DUSP7
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 98-419 amino acids of human DUSP7
Target Name	dual specificity phosphatase 7
Other Names	MKPX; PYST2
Accession No.	Swissprot:Q16829Gene Accession:BC019107
Uniprot	Q16829
GeneID	1849;
Storage	-20~-80°C, pH 7.6 PBS

## Background

Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSP7 belongs to a class of DUSPs, designated MKPs, that dephosphorylate MAPK (mitogen-activated protein kinase) proteins ERK (see MIM 601795), JNK (see MIM 601158), and p38 (see MIM 600289) with specificity distinct from that of individual MKP proteins. MKPs contain a highly conserved C-terminal catalytic domain and an N-terminal Cdc25 (see MIM 116947)-like (CH2) domain. MAPK activation cascades mediate various physiologic processes, including cellular proliferation, apoptosis, differentiation, and stress responses (summary by Patterson et al., 2009 [PubMed 19228121]).

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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