

# Recombinant Human DUSP4

Catalog No: #GP10402

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## Description

Product Name	Recombinant Human DUSP4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 197-394 amino acids of human dual specificity phosphatase 4
Target Name	dual specificity phosphatase 4
Other Names	TYP, HVH2, MKP2, MKP-2
Accession No.	Swissprot:Q13115Gene Accession:BC002671
Uniprot	Q13115
GeneID	1846;
Storage	-20~-80°C, pH 7.6 PBS

## Background

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 ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported.

## 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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