

# Recombinant Human JMJD6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. JMJD6-4745H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

JMJD6 MS Standard C13 and N15-labeled recombinant protein (NP\_001074930) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a nuclear protein with a JmjC domain. JmjC domain-containing proteins are predicted to function as protein hydroxylases or histone demethylases. This protein was first identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells; however, subsequent studies have indicated that it does not directly function in the clearance of apoptotic cells, and questioned whether it is a true phosphatidylserine receptor. Multiple transcript variants encoding different isoforms have been found for this gene.

### Molecular Mass

47.4 kDa

### AA Sequence

MNHKSKKRIREAKRSARPELKDSLWTRHNYYESFSLSPAADVADNVERADALQLSV  
EEFVERYERPYPKPVLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVK  
MKMKYYIEYMESTRDDSPYIFDSSYGEHPKRRKLLLEDYKVPKFFTDDLQYAGEKR  
RPPYRWFVMGPPRSGTGIHIDPLGTSAWNALVQGHKRWCLFPTSTPRELIKVTRDE  
GGNQQDEAITWFNVIYPRTLPTWPPEFKPLEILQKPGETVFVPGGWWHVVLNLDL  
TIAITQNFASSTNFPVWWHKTVRGRPKLSRKWYRILKQEHPELAVLADSVDLQESTGI

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ASDSSSDSSSSSSSSSSSDSDSECESGSEGDGTVHRRKKRRTCSMVGNGDTTSQD  
DCVSKERSSSRIRDTCGGRAHPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** JMJD6 jumonji domain containing 6 [ Homo sapiens (human) ]

**Official Symbol** JMJD6

**Synonyms** JMJD6; jumonji domain containing 6; phosphatidylserine receptor, PTDSR; bifunctional arginine demethylase and lysyl-hydroxylase JMJD6; KIAA0585; PTDSR1; lysyl-hydroxylase JMJD6; phosphatidylserine receptor; jmjC domain-containing protein 6; histone arginine demethylase JMJD6; peptide-lysine 5-dioxygenase JMJD6; jumonji domain-containing protein 6; PSR; PTDSR;

**Gene ID** 23210

**mRNA Refseq** NM\_001081461

**Protein Refseq** NP\_001074930

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**MIM** 604914

**UniProt ID** Q6NYC1

**SDS-PAGE**



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