

## Product datasheet for **AR50260PU-S**

### DUSP18 (1-188, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	DUSP18 (1-188, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHTAPSC AFPVQFRQPS VSGLSQITKS LYISNGVAAN NKLMLSSNQI TMVINVSVEV VNTLYEDIQY MQVPVADSPN SRLCFFDPI ADHIHSVEMK QGRTLLHCAA GVSRSALCL AYLMKYHAMS LLDAHTWTKS CRPIIRPNSG FWEQLIHYEF QLF GKNTVHM VSSPVGMIPD IYEKEVRLMI PL
Tag:	His-tag
Predicted MW:	23.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 0.1 mM PMSF, 1 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DUSP18 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001291723</a>
Locus ID:	150290
UniProt ID:	<a href="#">Q8NEJ0</a> , <a href="#">A0A024R1L2</a>
Cytogenetics:	22q12.2
Synonyms:	DSP18; DUSP20; LMWDSP20



[View online »](#)

- Summary:** 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. They have been implicated as major modulators of critical signaling pathways. DUSP18 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]
- Protein Families:** Druggable Genome, Phosphatase