

Recombinant Mouse Zfand1 Protein, Myc/DDK-tagged

Cat. No. Zfand1-7074M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse zinc finger, AN1-type domain 1 (Zfand1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in the regulation of cytoplasmic stress granules (SGs) turnover. SGs are dynamic and transient cytoplasmic ribonucleoprotein assemblies important for cellular protein homeostasis when protein production is suspended after acute exogenous stress. Associates with SGs and is involved in the efficient and specific arsenite-induced clearance process of SGs through the recruitment of the ubiquitin-selective ATPase VCP and the 26S proteasome. This process requires both complexes for efficient degradation of damaged ubiquitinated SG proteins during recovery from arsenite stress, and hence avoiding aberrant cytoplasmic SGs degradation via autophagy.
Molecular Mass	30.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Zfand1 zinc finger, AN1-type domain 1 [Mus musculus (house mouse)]

Official Symbol Zfand1

Synonyms ZFAND1; zinc finger, AN1-type domain 1; AN1-type zinc finger protein 1; AW048890; 2310008M20Rik; MGC107161

Gene ID 66361

mRNA Refseq NM_025512

Protein Refseq NP_079788

UniProt ID Q8BFR6

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