Mouse Cytosolic Fe-S cluster assembly factor NUBP2 (NUBP2) ELISA Kit

Catalog No: #EK11487

Package Size: #EK11487-1 48T #EK11487-2 96T

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Description

Product Name	Mouse Cytosolic Fe-S cluster assembly factor NUBP2 (NUBP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CFD1; NUBP1; C447E6.1 (nucleotide binding protein 1 (E.coli MinD like))|homolog of yeast cytosolic Fe-S cluster deficient 1|nucleotide binding protein 2 (E.coli MinD like)
Accession No.	Q9R061
Uniprot	Q9R061
GeneID	26426;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:3.70-300 ng/mL

Sensitivity:1.45 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NUBP2 in samples. An antibody specific for NUBP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNUBP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NUBP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NUBP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:NUBP2 is a member of the NUBP/MRP gene subfamily of ATP-binding proteins. Nakashima et al. (1999) cloned mouse Nubp2 and used the murine sequence as a probe in EST database analysis, followed by screening a human teratoma cDNA library to clone full-length human NUBP2. The 271-amino acid human NUBP2 protein shares 72.6% amino acid similarity with mouse Nubp2. Northern blot analysis detected a 1.4-kb NUBP2 transcript with ubiquitous expression in all human adult and fetal tissues tested, with highest expression in adult skeletal muscle. NUBP2 contains conserved an ATP/GTP binding motif A (P-loop), an ATP/GTP binding motif A-prime, and NUBP/MRP alpha and beta motifs. NUBP2 lacks an additional N-terminal sequence with 4 cysteine residues that is present in NUBP1.

Note: This product is for in vitro research use only