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YBD760Mu01 100 $\mu$ g

Recombinant Asparagine Synthetase (ASNS)

Organism Species: *Mus musculus* (Mouse)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]

Residues: His213~Ala561

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q61024

Host: *E. coli*

Subcellular Location: Cytosol.

Purity: >95%

Endotoxin Level: <1.0EU per 1 $\mu$ g (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4 containing 5% trehalose, 0.01% sarcosyl.

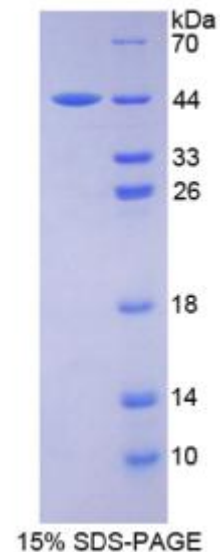
Predicted isoelectric point: 5.9

Predicted Molecular Mass: 43.9kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

## [ USAGE ]





Reconstitute in sterile PBS, pH7.2-pH7.4.

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

HAIYDSVE KLPFGDLET VKNLRILFD NAIKKRLMTD RRIGCLLSGG LDSSLVAASL  
LKQLKEAQVQ YPLQTFAIMG EDSPDLLAAR KVANYIGSEH HEVLFNSEEG IQALDEVIFS  
LETYDITTVR ASVGMYLISK YIRKNTDSVV IFSGEGSDEL TQGYIYFHKA PSPEKAEES  
ERLLKELYLF DVLRADRTTA AHGLELRVVF LDHRFSSYYL SLPPDMRIPK NGIEKHLRE  
TFEDCNLLPK EILWRPKEAF SDGITSVKNS WFKILQDYVE HQVDDEMMSA ASQKFPFNTP  
KTKEGYFYRQ IFERHYPGRA DWLTHYWMPK WINATDPSAR TLTHYKSAAK A