

RPB258Hu03 200µg

Recombinant Glutamate Decarboxylase 2, Acid (GAD2)

Organism Species: Homo sapiens (Human)

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: Met188~Ser374

Tags: N-terminal His-Tag

Accession: Q05329

Host: *E. coli*

Subcellular Location: Cytoplasm, cytosol, Cytoplasmic vesicle, Cell junction, synapse, presynaptic cell membrane; Lipid-anchor. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

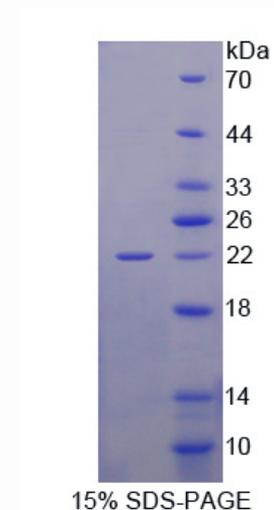
Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative

Predicted isoelectric point: 8.8

Predicted Molecular Mass: 21.6kDa

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.

MVG LAADWLTSTA NTNMFTYEIA PVFVLLLEYVT LKKMREIIGW PGGSGDGIFS
PGGAISNMYA MMIARFKMFP EVKEKGMAAL PRLIAFTSEH SHFSLKKGAA ALGIGTDSVI
LIKCDERGMK IPSDLERRIL EAKQKGFVPF LVSATAGTTV YGAFDPLLAV ADICKKYKIW
MHVDAAWGGG LLMS

[REFERENCES]

1. Karlsen A.E., *et al.* (1991) Proc. Natl. Acad. Sci. U.S.A. 88:8337-8341.
2. Bu D. F., *et al.* (1992) Proc. Natl. Acad. Sci. U.S.A. 89:2115-2119.
3. Bu D. F., Tobin A.J. (1994) Genomics 21:222-228.
4. Mauch L., *et al.* (1993) Eur. J. Biochem. 212:597-603.