YBA692Hu01 100μg

Recombinant Neuropilin 1 (NRP1)

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: Tyr646~Asp814

Tags: N-terminal His-Tag

Accession: O14786

Host: *E. coli*

Subcellular Location: Cell membrane; Single-pass type I membrane protein.

Purity: >95%

Endotoxin Level: <1.0EU per 1μg

(determined by the LAL method).

Formulation: Supplied as lyophilized form in 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
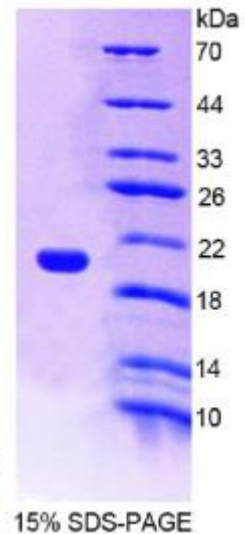
Predicted isoelectric point: 6.5

Predicted Molecular Mass: 20.8kDa

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

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

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE

[USAGE]

Reconstitute in sterile ddH$_2$O.

[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.

YGFNCEF GWGSHKTFCH WEHDNHVQLK WSVLTSKTGP IQDHTGDGNF IYSQADENQK GKVA RLVSPV   V YS QNS AHC M TFW YH MS GSH   VG TLRVKLRY   Q KPE E YDQLV WMAIGHQGDH WKEGRVLLHK SLKLYQVIFE GEIGKGNLGG IAVDDISINN HISQEDCAKP AD

[REFERENCES]

1. He Z., *et al.* (1997) Cell 90:739-751.

2. Soker S., *et al.* (1998) Cell 92:735-745.

3. Gagnon M.L., *et al.* (2000) Proc. Natl. Acad. Sci. U.S.A. 97:2573-2578.

4. Bechtel S., *et al.* (2007) BMC Genomics 8:399-399.