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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NAALAD2 (Human) Recombinant Protein (P01)

Catalog Number: H00010003-P01

Regulation Status: For research use only (RUO)

Product Description: Human NAALAD2 full-length ORF (AAH38840, 1 a.a. - 317 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAESRGRLYLWMCLAALASFLMGFMVGFVFIKPLKET
TTSVRYHQSIKRWKLVSEMKAEIKSFLRSFTKLPKLAG
TEQNFLAKKIQTQWKFGLDLAKLVHYDVLLSYPNET
NANYISIVDEHETEIKFVTSYLEPPPDGYENVTNIVPPYN
AFSAQGMPEGLVYVNYARTEDFFKLEREMGINCTGK
IVIARYGKIFRGNKVKNAFLAGAIGIILYSDPADYFAPEV
QPYPKGWNLPGTAAQRGNVNLNGAGDPLTPGYPAK
EYTFRLDVEEGVGIPRIPVHPIGYNDAEILLRYSFLVGY
EIKIFCTSCLSH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 60.61

Interspecies Antigen Sequence: Mouse (88); Rat (89)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10003

Gene Symbol: NAALAD2

Gene Alias: MGC116996, MGC26353, NAADALASE2, NAALADASE2

Gene Summary: This gene is a member of the N-acetylated alpha-linked acidic dipeptidase (NAALADase) gene family. The representative member of this family is the gene encoding human prostate-specific membrane antigen (PSM), which is a marker of prostatic carcinomas and is the first to be shown to possess NAALADase activity. NAALADase cleaves N-acetyl-L-aspartate-L-glutamate (NAAG), which is a neuropeptide expressed both in the central nervous systems and in the periphery and is thought to function as a neurotransmitter. The product of this gene is a type II integral membrane protein. Transient transfection of this gene confers both NAALADase and dipeptidyl peptidase IV activities to mammalian cells. This gene is highly expressed in ovary and testis as well as within discrete brain areas. [provided by RefSeq]