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Datasheet for ABIN7317641
NAALADL1 Protein (His tag)

Overview

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|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | NAALADL1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NAALADL1 protein is labelled with His tag. |

Product Details

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|------------------|--|
| Purpose: | Recombinant Human NAALADL1 Protein (His Tag) |
| Sequence: | Pro 29-Leu 740 |
| Characteristics: | A DNA sequence encoding the extracellular domain of human NAALADL1 (NP_005459.2) (Pro 29-Leu 740) was expressed, with a polyhistidine tag at the N-terminus. |
| Purity: | > 97 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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|-------------------|---|
| Target: | NAALADL1 |
| Alternative Name: | NAALADL1 (NAALADL1 Products) |
| Background: | Background: N-acetylated-alpha-linked acidic dipeptidase-like protein, also known as NAALADL1, NAALADase L, and Ileal dipeptidylpeptidase, is a Single-pass type I I membrane protein and a member of the peptidase M28 family and M28B subfamily. NAALADase L is |

Target Details

mainly expressed in the distal small intestine. It is also expressed in the spleen and testis and Weakly expressed in the brain, locating mainly to the brain stem, amygdala, thalamus and ventral striatum. NAALADase L is a chloride-activated, membrane bound, metallopeptidase that cleaves the endogenous neuropeptide N-acetyl-aspartyl-glutamate (NAAG). NAAG acts as a partial NMDA agonist as well as a full agonist at the presynaptic metabotropic glutamate receptor 3 (mGluR3), where it acts to reduce glutamate release. NAALADase L also exhibits a dipeptidyl-peptidase IV type activity. NAALADase inhibition may be a novel therapeutic approach to reduce or inhibit heightened aggressiveness, and possibly to treat aggressive behavior associated with psychiatric disorders.

Synonym: I100,NAALADASEL,NAALADL1

Molecular Weight: 80 kDa

NCBI Accession: [NP_005459](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.