Datasheet for ABIN7317641

NAALADL1 Protein (His tag)

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Overview

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

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

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.