

## NAALADL2 Protein, Human (His-SUMO)

<b>Cat. No.:</b>	HY-P71559
<b>Synonyms:</b>	Glutamate carboxypeptidase II type non peptidase homologue; Inactive N acetylated alpha linked acidic dipeptidase like protein 2; Inactive N-acetylated-alpha-linked acidic dipeptidase-like protein 2; N acetylated alpha linked acidic dipeptidase like 2; NAALADase L2; NAALADL 2; NAALADL2
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q58DX5 (143G-795N)
<b>Gene ID:</b>	254827
<b>Molecular Weight:</b>	Approximately 88.6 kDa

### PROPERTIES

#### AA Sequence

G Y Y V H T N C P S	D A P S S G T V D P	Q L Y Q E I L K T I	Q A E D I K K S F R
N L V Q L Y K N E D	D M E I S K K I K T	Q W T S L G L E D V	Q F V N Y S V L L D
L P G P S P S T V T	L S S S G Q C F H P	N G Q P C S E E A R	K D S S Q D L L Y S
Y A A Y S A K G T L	K A E V I D V S Y G	M A D D L K R I R K	I K N V T N Q I A L
L K L G K L P L L Y	K L S S L E K A G F	G G V L L Y I D P C	D L P K T V N P S H
D T F M V S L N P G	G D P S T P G Y P S	V D E S F R Q S R S	N L T S L L V Q P I
S A P L V A K L I S	S P K A R T K N E A	C S S L E L P N N E	I R V V S M Q V Q T
V T K L K T V T N V	V G F V M G L T S P	D R Y I I V G S H H	H T A H S Y N G Q E
W A S S T A I I T A	F I R A L M S K V K	R G W R P D R T I V	F C S W G G T A F G
N I G S Y E W G E D	F K K V L Q K N V V	A Y I S L H S P I R	G N S S L Y P V A S
P S L Q Q L V V E K	N N F N C T R R A Q	C P E T N I S S I Q	I Q G D A D Y F I N
H L G V P I V Q F A	Y E D I K T L E G P	S F L S E A R F S T	R A T K I E E M D P
S F N L H E T I T K	L S G E V I L Q I A	N E P V L P F N A L	D I A L E V Q N N L
K G D Q P N T H Q L	L A M A L R L R E S	A E L F Q S D E M R	P A N D P K E R A P
I R I R M L N D I L	Q D M E K S F L V K	Q A P P G F Y R N I	L Y H L D E K T S R
F S I L I E A W E H	C K P L A S N E T L	Q E A L S E V L N S	I N S A Q V Y F K A
G L D V F K S V L D	G K N		

**Biological Activity** The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

**Appearance** Lyophilized powder.

**Formulation** Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.

**Endotoxin Level** <1 EU/μg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH<sub>2</sub>O.

**Storage & Stability** Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is

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recommended to freeze aliquots at -20°C or -80°C for extended storage.

**Shipping**

Room temperature in continental US; may vary elsewhere.

**DESCRIPTION**

**Background**

NAALADL2 Protein appears to be catalytically inactive, suggesting a potential role distinct from enzymatic activity. The designation of catalytic inactivity implies that NAALADL2 may serve other non-enzymatic functions, contributing to various cellular processes. Elucidating the specific mechanisms and cellular pathways in which NAALADL2 participates could provide valuable insights into its functional significance. Further exploration of NAALADL2's properties and interactions may uncover its diverse roles and shed light on its potential implications in cellular physiology and pathology.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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