BAI3 Protein, Human (HEK293, His)

Cat. No.:	HY-P7675
Synonyms:	rHuBAI3, His; Brain-Specific Angiogenesis Inhibitor 3; BAI3
Species:	Human
Source:	HEK293
Accession:	O60242 (A25-T880)
Gene ID:	577
Molecular Weight:	115-145 kDa

PROPERTIES

AA Sequence

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

Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, 5% Thehalose, pH 7.2.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

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 recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	BAI3 is from the adhesion group of seven-transmembranespanning G protein-coupled receptors (GPCRs) and has been identified via gene expression profiling asbeing upregulated in small-cell lung cancer (SCLC) tumors. It has subsequently been validated as a sen-sitive and specific immunohistochemical marker for SCLC, helping to differentiate these tumors frommorphologically similar large-cell neuroendocrine (LCNEC) malignancies[2].

REFERENCES

[1]. Bolliger MF, et al. The cell-adhesion G protein-coupled receptor BAI3 is a high-affinity receptor for C1q-like proteins. Proc Natl Acad Sci U S A. 2011;108(6):2534-2539.

[2]. Thomas M, et al. An investigation into the potential role of brain angiogenesis inhibitor protein 3 (BAI3) in the tumorigenesis of small-cell carcinoma: a review of the surrounding literature. J Recept Signal Transduct Res. 2017;37(4):325-334.

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

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