

AR51709PU-S

Human L-asparaginase (1-308, His-tag) - Purified

Alternate names:

ALP, ASRGL1, Asparaginase-like protein 1, CRASH, L-asparagine amidohydrolase

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

Isoaspartyl peptidase/L-asparaginase, also known as ASRGL1, is a 308 amino acid protein belonging to the Ntn-hydrolase family. ASRGL1 has been identified as an autoantigenic protein that is present in the mid-piece of sperm after obstruction of the male reproductive tract. It is expressed highly in testis, but is also expressed in brain, kidney and gastrointestinal tissues. High levels of ASRGL1 have also been identified in ovarian, uterine and mammary tumors in comparison with normal tissues of the same origin.

Uniprot ID:

[Q7L266](#)

NCBI:

[NP_001077395](#)

GeneID:

[80150](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Phosphate buffer saline (pH 7.4) containing 10% glycerol , 1mM DTT.

Description:

Recombinant human ASRGL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMNPVVV HGGGAGPISK DRKERVHQM VRAATVGYGI
LREGGSAVDA VEGAVVALED DPEFNAGCGS VLNTNGEVEM DASIMDGKDL SAGAVSAVQC
IANPIKLARL VMEKTPHCFI TDQGAQFAA AMGVPEIPGE KLVTERNKKR LEKEKHEKGA
QKTDQCQNLG TVGAVALDCK GNVAYATSTG GIVNKMVGRV GDSPCLGAGG YADNDIGAVS
TTGHGESILK VNLARLTLFH IEQGKTVEEA ADLSLGYMKS RVKGLGGLIV VSKTGDWVAK
WTSTMPWAA AKDGKLHFGI DPDDTTITDL P

Molecular weight: 34.4 kDa (331aa) confirmed by MALDI-TOF

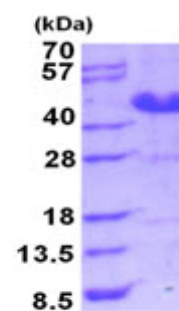
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Herr J C., et al. (1999) Biol Reprod. 61: 428-435. Bush L A., et al. (2002) Mol Reprod Dev. 62: 233-247.

Pictures:



15% SDS-PAGE (3ug)