

Product information

ASRGL1, 1-308aa

Human, His-tagged, Recombinant, *E.coli*

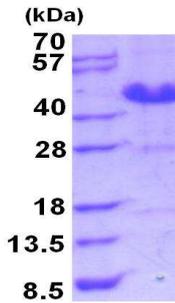
Cat. No. IBATGP2889

Full name: Isoaspartyl peptidase/L-asparaginase

NCBI Accession No.: NP_001077395

Synonyms: ALP, ALP1, CRASH

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

<p>Form: Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol , 1mM DTT</p> <p>Molecular Weight: 34.4 kDa (331aa) confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHH SSGLVPRGSH MGSMNPVVV HGGGAGPISK DRKERVHQGM VRAATVGYGI LREGGSAVDA VEGAVVALED DPEFNAGCGS VLNTNGEVEM DASIMDGKDL SAGAVSAVQC IANPIKLARL VMEKTPHCFD TDQGAAQFAA AMGVPEIPGE KLVTERNKKR LEKEKHEKGA QKTDCQKNLG TVGAVALDCK GNVAYATSTG GIVNKMVGRV GDSPCLGAGG YADNDIGAVS TTGHGESILK VNLARLTLFH IEQKKTVEEA ADLSLGYMKS RVKGLGGLIV VSKTGDWVAK WTSTMPWAA AKDGKLFHGI DPDDTTITDL P</p>	

General references:

Herr J C., *et al.* (1999) *Biol Reprod.* 61: 428-435.

Bush L A., *et al.* (2002) *Mol Reprod Dev.* 62: 233-247.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.