Recombinant Human asparaginase like 1, His-tagged

Cat. No. ASRGL1-666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ASRGL1, 1-308aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-308 a.a.
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.
Form	Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol , 1mM DTT
Molecular Mass	34.4 kDa (331aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNPIVVV HGGGAGPISK DRKERVHQGM VRAATVGYGI LREGGSAVDA VEGAVVALED DPEFNAGCGS VLNTNGEVEM DASIMDGKDL SAGAVSAVQC IANPIKLARL VMEKTPHCFL TDQGAAQFAA

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	AMGVPEIPGE KLVTERNKKR LEKEKHEKGA QKTDCQKNLG TVGAVALDCK GNVAYATSTG GIVNKMVGRV GDSPCLGAGG YADNDIGAVS TTGHGESILK VNLARLTLFH IEQGKTVEEA ADLSLGYMKS RVKGLGGLIV VSKTGDWVAK WTSTSMPWAA AKDGKLHFGI DPDDTTITDL P
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ASRGL1[Homo sapiens]
Official Symbol	ASRGL1
Synonyms	ASRGL1; ALP; ALP1; asparaginase like 1 protein; FLJ22316;
Gene ID	114242
MIM	609212
UniProt ID	Q7L266
Chromosome Location	11q12.3

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