

Argininosuccinate Lyase Human Recombinant

Item Number	rAP-1277
Synonyms	Argininosuccinate lyase, ASAL, Arginosuccinase, ASL.
Description	ASL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 484 amino acids (1-464) and having a molecular mass of 53.8kDa. ASL is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P04424
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MASESGKLWG GRFVGAVDPI MEKFNASIAY DRHLWEVDVQ GSKAYSRGLE KAGLLTKAEM DQILHGLDKV AEEWAQGTKF LNSNDEDIHT ANERRLKEI GA- TAGKLHTG RSRNDQVVT D LRLWMRQTCS T LSGLLWELI RTMVDRAEAE RDVLFPGYTH LQRAQPIRWS HWILSHAVAL TRDSERLLEV RKRINVLP LG SGA IAGNPLG VDRELLRAEL NFGAITLNSM DATSERDFVA EFLFWASLCM THLSRMAEDL ILYCTKEFSF VQLSDAYSTG SSLMPQKKNP DSLE- LIRSKA GRVFGRCAGL LMTLKGLPST YNKDLQEDKE AVFEVSDTMS AVLQVATGVI STLQIHQENM GQALSPDMLA TDLAYYLVRK GMPFRQAHEA SGKAVFMAET KGVALNQLSL QELQTISPLF SGD- VICVWDY GHSVEQYGAL GGTARSSVDW QIRQVRALLQ AQQA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. NPL Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.
Formulation and Purity	The ASL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**