

## Aspartoacylase Human Recombinant

<b>Item Number</b>	rAP-1403
<b>Synonyms</b>	Aspartoacylase, Aminoacylase-2, ACY-2, ASPA, ACY2, ASP.
<b>Description</b>	ASPA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 336 amino acids (1-313) and having a molecular mass of 38.1kDa. ASPA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P45381
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSMTSCHIA EEHIQKVAIF GGTHGNELTG VFLVKHWLEN GAEIQRT- GLE VKPFITNPRA VKKCTRYIDC DLNRIFDLEN LGKKMSEDLP YEVVRAQEIN HLFQPKDSED SYDII- FDLHN TTSNMGCTLI LEDSRNNFLI QMFHYIKTSL APLPCYVYLIEHPVSLKYATT RSIKYPVGI EVGPQPQGV L RADILDQMRK MIKHALDFIH HFNEGKEFPP CAIEVYKIIIE KVDYPRDENG EIAAIIHPNL QQQDWKPLHP GDPMFLTLDG KTIPLGGDCT VYPVFNVEAA YYEKKEAFK TTKLTLNAKS IRCCLH.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The ASPA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT, 0.1M NaCl and 0.1mM PMSF. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**