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DATA SHEET

Cytoplasmic L-asparaginase I E.Coli Recombinant

Item Number	rAP-0848
Synonyms	L-asparaginase 1, L-asparaginase I, L-ASNase I, L-asparagine amidohydrolase I, ansA, b1767, JW1756.
Description	ANSA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 358 amino acids (1-338 a.a.) and having a molecular mass of 39.3kDa.ANSA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P0A962
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MQKKSIYVAY TGGTIGMQRS EQGYIPVSGH LQRQLALMPE FHRPEMPDFT IHEYTPLMDS SDMTPEDWQH IAEDIKAHYD DYDGFVILHG TDTMAYTASA LSFM-LENLGK PVIVTGSQIP LAELRSDGQI NLLNALYVAA NYPINEVTLF FNNRLYRGNR TTKAHADGFD AFASPNLPPL LEAGIHIRRL NTPPAPHGEG ELIVHPITPQ PIGVVTIYPG ISADVVRNFL RQPVKALILR SYGVGNAPQN KAFLQELQEA SDRGIVVVNL TQCMSGKVNM GGYATGNALA HAGVIGGADM TVEAT-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless 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.
Formulation and Purity	The ANSA solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT. 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

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