

32-2155: ANSA Recombinant Protein

Alternative Name : L-asparaginase 1,L-asparaginase I,L-ASNase I,L-asparagine amidohydrolase I,ansA,b1767,JW1756.

Description

Source : Escherichia Coli. 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. AnsA is a cytoplasmic asparaginase from E.coli involved in intracellular asparagine utilization. E.coli has 2 L-asparaginases: the cytoplasmic type I form (ansA) and the periplasmic type II form (ansB). AnsA (Type I asparaginase) is constitutively expressed and is obligatory for the growth of the bacteria on asparagine as the sole nitrogen source.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The ANSA solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MQKKSIVVAY TGGTIGMQRS EQGYIPVSGH LQRQLALMPE FHRPEMPDFT IHEYTPLMDS SDMTPEDWQH IAEDIKAHYD DYDGFVILHG TDTMAYTASA LSFMLENLKG PVIVTGSQIP LAELRSDGQI NLLNALYVAA NYPINEVTLF FNNRLYRGNR TTKAHADGFD AFASPNLPL LEAGIHIRRL NTPPAPHGEG ELIVHPITPQ PIGVVTIYPG ISADVVRNFL RQPVKALILR SYGVGNAPQN KAFLQELQEA SDRGIVVVNL TQCMGKVNMM GGYATGNALA HAGVIGGADM TVEATLTKLH YLLSQELDTE TIRKAMSQNL RGELTPDD.

