

COPZ1 Human

Recombinant Human Coatomer Protein Complex, Subunit Zeta 1

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Overview

Synonyms	Coatomer protein complex subunit zeta 1, Zeta-1 COP, CGI-120, COPZ.
Introduction	COPZ1 is a member of the adaptor complexes small subunit family. Coatomer is an oligomeric complex which contains as a minimum the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. The zeta subunit has a part in regulating the coat assembly and, therefore, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex.
Description	COPZ1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 197 amino acids (1-177a.a.) and having a molecular mass of 22.3kDa. The COPZ1 is purified by proprietar
Source	E.coli
Purity	Greater than 95.0% as determined by SDS-PAGE.

Properties

Physical Appearance	Sterile Filtered colorless solution.
Species	Human
Formulation	The COPZ1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MEALILEPSL YTVKAILILD NDGDRLFAYK YDDTYPVKE QKAFEKNIFN KTHRTDSEIA LLEGLTVVYK SSIDLIFYVI GSSYENELML MAVLNCLFDS LSQMLRKNVE KRALLENMEG LFLAVDEIVD GGVILESDPQ QVVHRVALRG EDVPLTEQTV SQVLQSAKEQ IKWSLLR.

Storage

Stability	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.
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