



Product Datasheet

Product Name	Tyr-3/Trp-5 Monooxygenase Activation Protein Gamma Human Recombinant
Cata No	CB500843
Source	<i>Escherichia Coli.</i>
Synonyms	14-3-3 protein gamma, Protein kinase C inhibitor protein 1, KCIP-1, YWHAG, Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide.

Description

The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ϵ , σ , ζ , τ and η that have been identified in mammals. The 14-3-3gamma, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. YWHAG Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 247 amino acids (1-247) and having a molecular mass of 28 kDa. YWHAG is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

YWHAG solution containing 20mM Tris 7.5.

Stability

YWHAG Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

Please prevent freeze thaw cycles.

Sequence

MVDREQLVQK ARLAEQAERY DDMAAAMKNV
TELNEPLSNE ERNLLSVAYK NVVGARRSSW
RVISSIEQKT SADGNEKKIE MVRAYREKIE
KELEAVCQDV LSLLDNYLIK NCSETQYESK
VFYLMKMGDY YRYLAEVATG EKRAVVESS
EKAYSEAHEI SKEHMQPHTP IRLGLALNYS
VFYYEIQNAP EQACHLAKTA FDDAIAELDT
LNEDSYKDST LIMQLLRDNL TLWTSDQQDD
DGGEGNN