

YWHAE Human

Description: YWHAE Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 255 amino acids (1-255) and having a molecular mass of 29 kDa. YWHAE is purified by proprietary chromatographic techniques.

Catalog #: PKPS-260

For research use only.

Synonyms: YWHAE, MDS, MDCR, KCIP-1, 14-3-3E, 14-3-3 Epsilon, FLJ45465, Tyr-3/Trp- 5 Monooxygenase Activation Protein Epsilon.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MDDREDLVYQ AKLAEQAERY DEMVESMKKV AGMDVELTVE
ERNLLSVAYK NVIGARRASWRISSIEQKE ENKGGEDKLG MIREYRQMVE TELKLICCDI
LDVLDKHLIP AANTGESKVFYKMGDYHR YLAEFATGND RKEAAENSLV AYKAASDIAM
TELPPTHPIR LGLALNFSVFYIEILNSPDR ACRLAKAAFD DAIAELDTLS EESYKDSTLI
MQLLRDNLTL WTSDM

Purity: Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

YWHAE solution containing 20mM Tris 7.5.

Stability:

YWHAE Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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, γ , δ , ϵ , ζ , η , θ , and ι that have been identified in mammals. The 14-3-3 epsilon, 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 CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer.

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