14-3-3ε (human), (recombinant) (untagged)

14-3-3 proteins are dimeric phosphoserine/phosphothreonine binding proteins, which have been shown to be involved in the regulation of many crucial processes such as signal transduction, cell-cycle control, apoptosis, protein localization, phosphorylation state and stability, transcription, metabolism, and malignant transformation. 14-3-3ε is implicated in an early left-right patterning in amphibian embryos. In addition, children with Miller-Dieker syndrome, a severe brain malformation associated with mental retardation, have heterozygous deletions of both the 14-3-3ε and LIS1 genes. It has also been shown to be the only 14-3-3 isoform associated with prion protein amyloid deposits of Gerstmann-Straussler-Scheinker disease.

Citations: 1 View Online »

Manuals, SDS & CofA View Online »

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application Notes	Drug screening, protein-protein interaction studies, gel overlays.
Formulation	Liquid. In 20 mM Tris-HCl, pH 8, containing 100 mM NaCl.
Purity	≥90% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography
Sequence	~30 kDa
Source	Produced in *E. coli*.
UniProt ID	P62258

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