14-3-3σ (human), (recombinant) (His-tag)

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. 14-3-3σ is the main 14-3-3 isoform that has been directly implicated in the development of cancer. The 14-3-3σ gene is directly regulated by p53 and is silenced by CpG methylation in a large number of carcinomas.

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Formulation	Liquid. In 50mM NaH_2PO_4, pH 8.0, 300mM NaCl.
MW	~30 kDa
Purity	≥90% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in *E. coli*. Human 14-3-3s is fused at the C-terminus to a His-tag.
UniProt ID	P31947

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