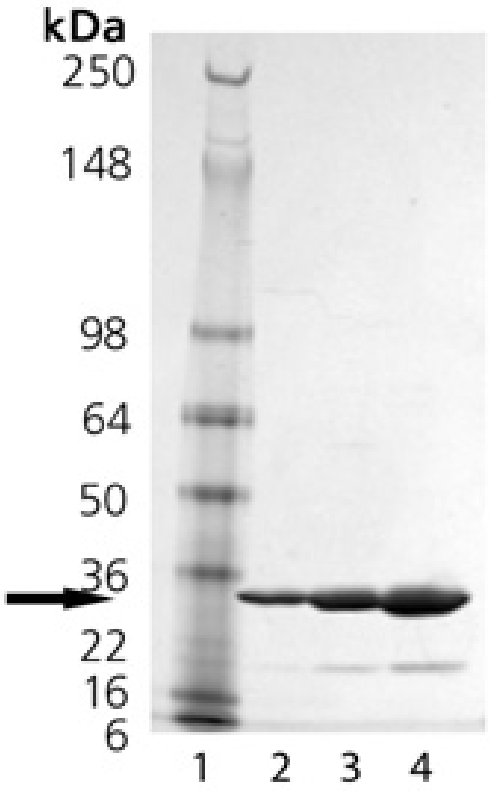
14-3-3β (human), (recombinant) (His-tag)

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. Binding of 14-3-3β to histone deacetylases 4 and 5 prevents their nuclear localization. 14-3-3β has also been shown to be associated with 3-repeat tau neurofibrillary tangles in Alzheimer's disease.

Manuals, SDS & CofA

View Online »


kDa
250
148
98
64
50
36
22
16
6
1
2
3
4

Handling & Storage

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 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 14-3-3β is fused at the C-terminus to a His-tag.
UniProt ID	P31946

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