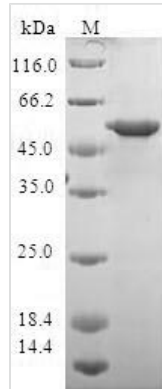




# Recombinant Human 14-3-3 protein theta (YWHAQ)

<b>Product Code</b>	CSB-EP026290HU
<b>Relevance</b>	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. Negatively regulates the kinase activity of PDPK1.
<b>Abbreviation</b>	Recombinant Human YWHAQ protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P27348
<b>Alias</b>	14-3-3 protein T-cell 14-3-3 protein tau Protein HS1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVV GGRRSAWRVISSIEQKTDTSDDKKLQLIKDYREKVESELRSICTTVLELLDKYLIA NATNPESKVFYLMKGDYFRYLAEVACGDDRKQTIDNSQGAYQEAFFDISKKE MQPTHPIRLGLALNFSVFYIEILNNPELACTLAKTAFDEAIAELDTLNEDSYKDS TLIMQLLRDNLTLWTSDSAGEECDAAEGAEN
<b>Research Area</b>	Neuroscience
<b>Source</b>	E.coli
<b>Target Names</b>	YWHAQ
<b>Protein Names</b>	Recommended name: 14-3-3 protein theta Alternative name(s): 14-3-3 protein T-cell 14-3-3 protein tau Protein HS1
<b>Expression Region</b>	1-245aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	54.8kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Recombination of a plasmid encoding the Human YWHAQ protein (1-245aa) is the first step during the production the recombinant Human YWHAQ protein. The constructed plasmid is introduced into e.coli cells. e.coli cells that can survive in the presence of a specific antibiotic are selected to be cultured for the induction of protein expression. The protein is equipped with a N-terminal GST tag. After expression, affinity purification is used to isolate and purify the recombinant Human YWHAQ protein from the cell lysate. Denaturing SDS-PAGE is then applied to resolve the resulting recombinant Human YWHAQ protein. Its purity exceeds 90%.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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