

## Product datasheet for **AR51976PU-N**

### **GSK3 beta (1-420, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	GSK3 beta (1-420, His-tag) human protein, 0.25 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	Insect
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	47.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH7.4) containing 0.5mM PMSF and 30% glycerol.
<b>Endotoxin:</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Preparation:</b>	Liquid purified protein
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001139628</a>
<b>Locus ID:</b>	2932
<b>Cytogenetics:</b>	3q13.33
<b>Synonyms:</b>	glycogen synthase kinase-3 beta; glycogen synthase kinase 3 beta; GSK3beta isoform
<b>Summary:</b>	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease. [provided by RefSeq, Aug 2017]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase



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**Protein Pathways:**

Alzheimer's disease, Axon guidance, Basal cell carcinoma, B cell receptor signaling pathway, Cell cycle, Chemokine signaling pathway, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Hedgehog signaling pathway, Insulin signaling pathway, Melanogenesis, Neurotrophin signaling pathway, Pathways in cancer, Prostate cancer, T cell receptor signaling pathway, Wnt signaling pathway

**Product images:**