



# Recombinant Rat Dynactin subunit 2 (Dctn2)

<b>Product Code</b>	CSB-BP734905RA
<b>Abbreviation</b>	Dctn2
<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>	Q6AYH5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ADPKYADLP GIARNEPDVY ETSDLPEDDQ AEFDAAEELSS TSVEHIIVNP NAAYDKFKDK RVGTKGLDFS DRIGKTKRTG YESGDYEMLG EGLGVKETPQ QKYQRLLHEV QELTTEVEKI KTTVKESATE EKLTPVVLAK QLAALKQQLV ASHLEKLLGP DAAINLADPD GALAKRLLLQ LEATKSSKGS SGGKSTGGTP PDSSLVTYEL HSRPEQDKFS QAAKVAELEK RLTELEATVR CDQDAQNPLS AGLQGACLME TVELLQAKVN ALDLAVLDQV EARLQSVLGK VNEIAKHKAS VEDADTQNKV HQLYETIQRW SPVASTLPEL VQRLVTIKQL HEQAMQFGQL LTHLDTTQQM MASSLKDNATA LLTQVQTTMR ENLATVEGNF ASIDARMKKL GK
<b>Source</b>	Baculovirus
<b>Target Names</b>	Dctn2
<b>Protein Names</b>	Recommended name: Dynactin subunit 2
<b>Expression Region</b>	2-402
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affix p150 in place.
<b>Reconstitution</b>	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.

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**Shelf Life**

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