

CDC25B recombinant protein

CDC25B, Active

CATALOG # AAA73286	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

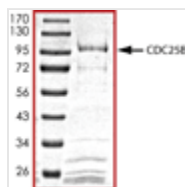
PRODUCT SYNONYMS

CDC25B; Active; CDC25B recombinant protein

PRODUCT SPECIFICATIONS

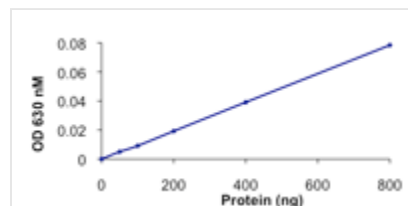
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CDC25B recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CDC25B recombinant protein	Full-length recombinant human CDC25B was expressed in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_021873. CDC25B (also known as cell division cycle 25 homolog B) is a member of the CDC25 family of phosphatases that activate the cyclin dependent kinase CDC2 by removing two phosphate groups. CDC25B is required for cell entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. Cdc25B is the first genetic model for studying the mechanisms regulating prophase arrest in vertebrates (1). The regulation of CDC25B phosphorylation by p38 is a critical event for initiating the G2/M checkpoint after ultraviolet radiation (2).
Product Categories/Family for CDC25B recombinant protein	Phosphatases; Cancer; Cell Cycle; Phosphatases; Ser/Thr Kinases

References

1. Lincoln, A. J. et.al: Cdc25b phosphatase is required for resumption of meiosis during oocyte maturation. Nature Genet. 30: 446-449, 2002.
2. Bulavin, D. V. et.al: Initiation of a G2/M checkpoint after ultraviolet radiation requires p38 kinase. Nature 411: 102-107, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_021873](#)

Molecular Weight

~110kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/cdc25b-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73286>