**C.** Lem8GG loses the capacity to cleave Phldb2 in mammalian cells. Lysates of HEK293T cells expressing Lem8 or Lem8GG were resolved by SDS-PAGE and detected by immunoblotting with antibodies specific for Phldb2 and Lem8, respectively. Tubulin was used as a loading control. Results shown were one representative from three independent experiments with similar results.