Yeast Kex-2 Recombinant Protein

CATALOG NO: P1279-50, 250 50 µg, 250 µg

ALTERNATE NAMES: Endoproteinase Lys/Arg-Arg, Kexin, 3.4.21.61, Protease KEX2, Proteinase YSCF, KEX2, QDS1, YNL238W, N1122

SOURCE: (BTI-Tn-5B1-4) Hi-5 Insect cells

PURITY: ≥ 95% by SDS-PAGE

MOL. WEIGHT: 60.4 kDa

FORM: Lyophilized powder

STORAGE CONDITIONS: Store at -20ºC. Avoid repeated freeze-thaw cycles.

BIOLOGICAL ACTIVITY: Recombinant Kex-2 from High-5 insect cells contains the same specific activity and recognition sequence specificity as yeast derived KEX-2. 1 milligram of recombinant KEX-2 contains activity equivalent to at least 40 units of yeast derived KEX-2. Cleaves at the carboxyl side of K/R-R.

RECONSTITUTION: DI water (0.1 -1 mg/ml)

DESCRIPTION:

Proteases (also called Proteolytic Enzymes, Peptidases, or Proteinases) are enzymes that hydrolyze the amide bonds within proteins or peptides. Most proteases act in a specific manner, hydrolyzing bonds at or adjacent to specific residues or a specific sequence of residues contained within the substrate protein or peptide. Proteases play an important role in most diseases and biological processes including prenatal and postnatal development, reproduction, signal transduction, the immune response, various autoimmune and degenerative diseases, and cancer. They are also an important research tool, frequently used in the analysis and production of proteins. Kex-2 cleaves at the carboxyl end of the recognition sequences Arg-Arg/X and Lys-Arg/X. Recombinant Yeast Kex-2 is a 60.4 kDa protease consisting of 558 amino acid residues.

RELATED PRODUCTS:

- Human CellExp™ PCSK9, Human Recombinant **(Cat. No. 7265)**
- Human CellExp™ PCSK9, Mouse Recombinant **(Cat. No. 7266)**
- PCSK9 (human) ELISA Kit **(Cat. No. K7265)**
- PCSK9 (mouse) ELISA Kit **(Cat. No. K7266)**
- PCSK9 Antibody **(Cat. No. 5112)**
- PCSK9 Antibody **(Cat. No. 6716)**
- SBC-110736 **(Cat. No. B1304)**

FOR RESEARCH USE ONLY! Not to be used on humans.