

Active Recombinant Yeast KEX2 Protein

Cat. No. KEX2-01Y **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Yeast KEX2 was expressed in Insect cells.
Species	Yeast
Source	Insect Cells
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.
Bio-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.
Molecular Mass	60.4 kDa
AA Sequence	LPVPAPPMD SLLPVKEA EDKLSINDP LFERQWHLV NPSFPGSDI NVLDLWYNN ITGAGVVAA IVDDGLDYE NEDLKDNFC AEGSWDFND NTNLPKPRL SDDYHGTRC

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AGEIAAKKG NNFCGVGVG YNAKISGIR ILSGDITTE DEAASLIYG LDVNDIYSC
 SWGPADDGR HLQGPSDLV KKALVKGVT EGRDSKAI YVFASGNNG
 TRGDNCNYD GYTNSIYSI TIGAIDHKD LHPYSEGC SAVMAVTYS SGSGEYIHS
 SDINGRCN SHGGTSAAL PLAAGVYTL LLEANPNLT WRDVQYLSI LSAVGLEKN
 ADGDWRDSA MGKKYSHRY GFGKIDAHK LIEMSKTWE NVNAQTFWY
 LPTLYVSQS TNSTEETLE SVITISEKS LQDANFKRI EHVTVTVDI DTEIRGTTT
 VDLISPAGI ISNLGVVRP RDVSSEGFK DWTFMVAH WGENGVGDW KIKVKTTEN
 GHRIDFHSW RLKLFGESI DSSKTETFE FGNDKEEVE PAATESTVS QYSASSTSI
 SISATSTSS ISIGVETSA IPQTTTAST DPDSDPNTP

Purity Above 95% as determined by SDS-PAGE Analysis.

GENE INFORMATION

Gene Name KEX2 kexin KEX2 [*Saccharomyces cerevisiae* S288c]

Official Symbol KEX2

Synonyms QDS1; SRB1; VMA45

Gene ID 855483

mRNA Refseq NM_001183076

Protein Refseq NP_014161

UniProt ID P13134

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