

## Active Recombinant Yeast KEX2 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Yeast KEX2 was expressed in Insect cells.
<b>Species</b>	Yeast
<b>Source</b>	Insect Cells
<b>Description</b>	<p>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.</p>
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	60.4 kDa
<b>AA Sequence</b>	LPVPAPPMD SLLPVKEA EDKLSINDP LFERQWHLV NPSFPGSDI NVLDLWYNN ITGAGVVAA IVDDGLDYE NEDLKDNFC AEGSWDFND NTNLPKPRLL SDDYHGTRC

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AGEIAAKKG NNFCGVGVG YNAKISGIR ILSGDITTE DEASLIYG LDVNDIYSC  
 SWGPADDGR HLQGPSDLV KKALVKGVT EGRDSKAI YVFASGNGG  
 TRGDNCNYD GYTNSIYSI TIGAIHDKD LHPPYSEGC SAVMAVTYS SGSGEYIHS  
 SDINGRCSN SHGGTSAAL PLAAGVYTL LLEANPNLT WRDVQYLSI LSAVGLEKN  
 ADGDWRDSA MGKKYSHRY GFGKIDAHK LIEMSKTWE NVNAQTFWY  
 LPTLYVSQS TNSTEETLE SVITISEKS LQDANFKRI EHVTVTVDI DTEIRGTTT  
 VDLISPAGI ISNLGVVVRP RDVSSEGFK DWTFMVAH WGENGVGDW KIKVKTTEN  
 GHRIDFHSW RLKLFGESI DSSKTETFEV FGNDKEEVE PAATESTVS QYSASSTSI  
 SISATSTSS ISIGVETSA IPQTTTAST DPDSDPNTF

**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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