

Recombinant Yeast KEX2 Protein

SPECIFICATION

Cat.No.	KEX2-01Y
Species	Saccharomyces cerevisiae
Product Name	Recombinant Yeast KEX2 Protein
Product Overview	Recombinant Yeast KEX2 was expressed in Insect cells.
Description	<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>
Source	Insect cells
Molecular Mass	60.4 kDa
AA Sequence	<p>LPVPAPPMD SLLPVKEA EDKLSINDP LFERQWHLV NPSFPGSDI NVLDLWYNN ITGAGVVAA IVDDGLDYE NEDLKDNFC AEGSWDFND NTNLPKPRL SDDYHGTRC AGEIAAKKG NNFCGVGVG YNAKISGIR ILSGDITTE DEAASLIYG LDVNDIYSC SWGPADDGR HLQGPSDLV KKALVKGVT EGRDSKGA IYVFASGNNG TRGDNCNYD GYTNSIYSI TIGAIHDKD LHPPYSEGC SAVMAVTYS SGSGEYIHS SDINGRCSN SHGGTSAAA PLAAGVYTL LLEANPNLT WRDVQYLSI LSAVGLEKN ADGDWRDSA MGKKYSHRY GFGKIDAHK LIEMSKTWE NVNAQTWFY LPTLYVSQS TNSTEETLE SVITISEKS LQDANFKRI EHVTVTVDI DTEIRGTTT VDLISPAGI ISNLGVVRP RDVSSEGFK DWTFMSVAH WGENGVGDW KIKVKTTEN GHRIDFHSW RLKLFGESI DSSKTETFV FGNDKEEVE PAATESTVS QYSASSTSI SISATSTSS ISIGVETSA IPQTTTAST DPDSDPNTP</p>

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Purity	Above 95% as determined by SDS-PAGE Analysis.
Gene Name	KEX2 kexin KEX2 [Saccharomyces cerevisiae S288c]
Official Symbol	KEX2
Synonyms	QDS1; SRB1; VMA45
UniProt ID	P13134
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.
Gene ID	855483
mRNA Refseq	NM_001183076
Protein Refseq	NP_014161
Sequence	LPVPAPPMD SLLPVKEA EDKLSINDP LFERQWHLV NPSFPGSDI NVLDLWYNN ITGAGVVAA IVDDGLDYE NEDLKDNFC AEGSWDFND NTNLPKPRL SDDYHGTRC AGEIAAKKG NNFCGVGVG YNAKISGIR ILSGDITTE DEAASLIYG LDVNDIYSC SWGPADDGR HLQGPSDLV KKALVKGVT EGRDSKGA IYVFASGNGG TRGDNCNYD GYTNSIYSI TIGAIHKD LHPPYSEGC SAVMAVTYS SGSGEYIHS SDINGRCSN SHGGTSA APLAAGVYTL LLEANPNLT WRDVQYLSI LSAVGLEKN ADGDWRDSA MGKKYSHRY GFGKIDAHK LIEMSKTWE NVNAQTWFY LPTLYVSQS TNSTEETLE SVITISEKS LQDANFKRI EHVTVTVDI DTEIRGTTT VDLISPAGI ISNLGVVRP RDVSSEGFK DWTFSVAH WGENGVGDW KIKVKTTEN GHRIDFHSW RLKLFGESI DSSKTETFV FGNDKEEVE PAATESTVS QYSASSTSI SISATSTSS ISIGVETSA IPQTTTAST DPDSDPNTP