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 SSLLPVKEA EDKLSINDP LFERQWHLV NPSFPGSDI NVLDLWYNN ITGAGVVAA IVDDGLDYE NEDLKDNFC AEGSWDFND NTNLPKPRL SDDYHGTRC

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	AGEIAAKKG NNFCGVGVG YNAKISGIR ILSGDITTE DEAASLIYG LDVNDIYSC SWGPADDGR HLQGPSDLV KKALVKGVT EGRDSKGAI YVFASGNGG TRGDNCNYD GYTNSIYSI TIGAIDHKD 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
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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