

Product datasheet for **SC209443**

KDEL Receptor (KDEL1) (NM_006801) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KDEL Receptor (KDEL1) (NM_006801) Human 3' UTR Clone
Symbol:	KDEL Receptor
Synonyms:	ERD2; ERD2.1; HDEL; PM23
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006801
Insert Size:	748 bp
Insert Sequence:	>SC209443 3'UTR clone of NM_006801 The sequence shown below is from the reference sequence of NM_006801. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGGGAAGAAGTTGAGTTTGCCGGCATAGCCCCGGTCCTCTCCATCTCTCTCTCGGCAGCAGCGGGA
GGCAGAGGAAGGGCGCAGAAGATGAAGAGCTTTCCCATCCAGGGGTGACTTTTTTAAGAACCCACCTCT
TGTGCTCCCATCCGCCTCTGCGGGTTTCAGGGGACAGTGGAGGATCCAGGTCTTGGGGAGCTCA
GGACTTGGGCTGTTGTAGTTTTTGCCTTTTAGACAAGAAAAAAAAATCTTCCACTCTTAGTTTTT
GATTCTGATGACTCGTTTTTCTTACTCTGTGGCCCAATTTTATAAAGTGTTTTGAGTGCCCTAT
GGGCCGGGGCAGGGTCCAAGATCTTTCCCTTCCCAAGGCCCTCGGCTCCCTCCAGATCCCACCCCC
AGCCCCACTGGTTGCCAAACTAAATCTGCCGACACCCATCTGCCCCACCTCCTGCCATGGCCATGAA
CCGCGACCCCACTAAATTTCTAGATTGGGGATAGGGAGAAAGGGAGGCCAGGAAGGTCTCCCCTGAT
TTTTTTCATAGTAATTTTTTCCCAGAGTTGAATTTTTGGTCTTCTCCTGGTTTTTTGGCAAATT
AGGGGGCCCGGGGCTCAAGTGCGGGAAGGGGCTGGCCCGAGGATCCCATGGCTCTCACACCATGTTT
TTGTACAGAACTGATGGTTGAATCTTTGTTCTCTTGAATAAACAGAAGAAAATGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_006801.3
Summary:	Retention of resident soluble proteins in the lumen of the endoplasmic reticulum (ER) is achieved in both yeast and animal cells by their continual retrieval from the cis-Golgi, or a pre-Golgi compartment. Sorting of these proteins is dependent on a C-terminal tetrapeptide signal, usually lys-asp-glu-leu (KDEL) in animal cells, and his-asp-glu-leu (HDEL) in <i>S. cerevisiae</i> . This process is mediated by a receptor that recognizes, and binds the tetrapeptide-containing protein, and returns it to the ER. In yeast, the sorting receptor encoded by a single gene, ERD2, which is a seven-transmembrane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL receptor gene family, have been described. The protein encoded by this gene was the first member of the family to be identified, and it encodes a protein structurally and functionally similar to the yeast ERD2 gene product. [provided by RefSeq, Jul 2008]
Locus ID:	10945
MW:	27.3