

Integral membrane proteins used in DUALmembrane studies: published literature

Protein type/class	Number of TM's	N-terminus	C-terminus	Orientation	Bait vector used	Fusion to Cub module	Reference
Type I proteins							
GPCRs							
Beta2 adrenergic receptor	7	luminal	cytosolic	Type I	pBT3-STE	C-terminus	Dualsystems, unpublished
GCR1 (<i>A. thaliana</i>)	7	luminal	cytosolic	Type I	x-Cub-LexA-VP16	C-terminus	Pandey and Assmann, 2004
Gpr4 (<i>C. neoformans</i>)	7	luminal	cytosolic	Type I	pBT3-C	C-terminus	Xue <i>et al.</i> 2006
Receptor tyrosine kinases							
ErbB3	1	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Thaminy <i>et al.</i> 2003
EGFR	1	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Dualsystems, unpublished
VEGFR1	1	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Dualsystems, unpublished
VEGFR2	1	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Dualsystems, unpublished
Others							
APP (human)	1	luminal	cytosolic	Type I	pBT3-C pBT3-SUC	C-terminus	Matsuda <i>et al.</i> 2005 Vitale and Buxbaum, 2004
APLP2 (human)	1	luminal	cytosolic	Type I	pBT3-C	C-terminus	Matsuda <i>et al.</i> 2005
LRP (human)	1	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Vitale and Buxbaum, 2004
ABC transporters (<i>S. cerevisiae</i>)	17	luminal	cytosolic	Type I	x-Cub-LexA-VP16	C-terminus	Paumi <i>et al.</i> 2007
Ost1 (<i>S. cerevisiae</i>)	1	luminal	cytosolic	Type I	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005 Yan <i>et al.</i> 2005
Ost3 (<i>S. cerevisiae</i>)	5	luminal	cytosolic	Type I	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005 Yan <i>et al.</i> 2005
Ost4 (<i>S. cerevisiae</i>)	1	luminal	cytosolic	Type I	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005 Yan <i>et al.</i> 2005
Wbp1 (<i>S. cerevisiae</i>)	1	luminal	cytosolic	Type I	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005 Yan <i>et al.</i> 2005
Swp1 (<i>S. cerevisiae</i>)	3	luminal	cytosolic	Type I	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005 Yan <i>et al.</i> 2005
LPA1 (<i>A. thaliana</i>)	?	luminal	cytosolic	Type I	pBT3-SUC	C-terminus	Peng <i>et al.</i> 2006

Alb3 (<i>A. thaliana</i>)	5	luminal	stromal	Type I	pBT3-C	C-terminus	Pasch <i>et al.</i> 2005
Bap31 (human)	3	luminal	cytosolic	Type I	x-Cub-LexA-VP16	C-terminus	Wang <i>et al.</i> 2004
Erg6 (<i>S. cerevisiae</i>)	0	cytosolic	cytosolic	n.a.	pBT3-C	C-terminus	Mo <i>et al.</i> 2004
Type II proteins							
Ost5 (<i>S. cerevisiae</i>)	2	cytosolic	cytosolic	Type II	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005
Ost6 (<i>S. cerevisiae</i>)	4	cytosolic	cytosolic	Type II	pBT3-C	C-terminus	Chavan <i>et al.</i> 2005
Prestin (mouse)	12	cytosolic	cytosolic	Type II	pBT3-C	C-terminus	Zheng <i>et al.</i> 2006
Erg28 (<i>S. cerevisiae</i>)	3	cytosolic	luminal	Type II	pBT3-C	C-terminus	Mo and Bard, 2005
CFTR (human)	12	cytosolic	cytosolic	Type II	pBT3-STE	C-terminus	Dualsystems, unpublished
Type IV proteins							
Nuclear migration protein unc-84	1	nuclear	perinuclear	Type IV	pBT3-N	N-terminus	McGee <i>et al.</i> 2006

Cited references are available in the support section at www.dualsystems.com

TM: Transmembrane domain