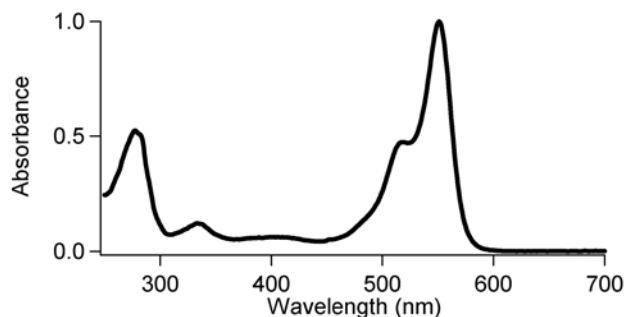
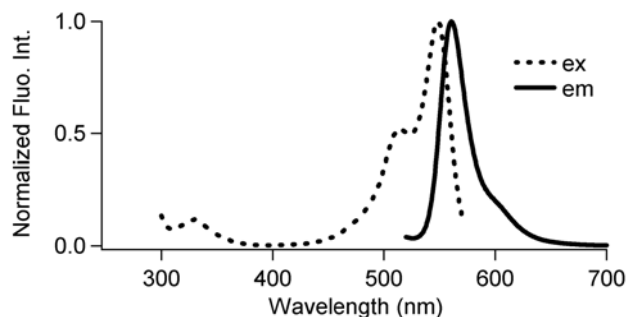




**CoralHue® KO1:** 218 amino acids

	Excit./Emiss.Maxima (nm)	Extinction Coefficient(M <sup>-1</sup> cm <sup>-1</sup> )	Fluorescence Quantum Yield	pH sensitivity
KO1	548/561	73,700 (548 nm)	0.45	pK <sub>a</sub> <5.0



**CoralHue® hKO1**

**1) DNA sequence**

ATGGTGAGCGTGATCAAGCCCGAGATGAAGATGAAGTACTTCAT  
GGACGGCAGCGTGAACGGCCACGAGTTCACCGTGGAGGGCGAGG  
GCACCGGAAGCCCTACGAGGGCCACCAGGAGATGACCCTGAGG  
GTGACAAATGGCCAAGGGCGGCCCATGCCCTTCAGCTTCGACCT  
GGTGAGCCACACCTTCTGCTACGGCCACAGGCCCTTACCAAGT  
ACCCCGAGGAGATCCCGACTACTTCAAGCAGGCCTTCCCGAG  
GGCCTGAGCTGGGAGAGGAGCCTCCAGTTCGAGGACGGCGGCTT  
CGCCGCCGTGAGCGCCACATCAGCCTGAGGGGCAACTGCTTCG  
AGCACAAGAGCAAGTTCGTGGGCGTGAACTTCCCGCCGACGGC  
CCCGTGTGCAGAACCAGAGCAGCGACTGGGAGCCAGCACCAG  
GAAGATCACACCTGCGACGGCGTGTGAAGGGCGACGTGACCA  
TGTACCTGAAGCTGGCCGGGGCGGCAACCACAAGTGCCAGTTC  
AAGACCACCTACAAGGCCGCAAGAAGATCCTGAAGATGCCCA  
GAGCCACTTCATCGGCCACAGGCTGGTGAGGAAGACCGAGGGCA  
ACATCACCGAGCTGGTGGAGGACGCCGTGGCCCACTGC

**2) Amino acid sequence**

MVSV I KPEMKMKYFMDGSVNGHEFTVEGEGTGKPYEGHQEMTLR  
VTMAKGGPMPFSFDLVSHTFCYGHRPFTKYPEE I PDYFKQAFPE  
GLSWERSLQFEDGGFAAVSAH I SLRGNCFEHSKSFVGVNFPADG  
PVMQNGSSDWEPESTEK I TTCDGVLKGDVTMYLKLAGGGNHKCQF  
KTTYKAAKK I LKMPQSHF I GHRLVRKTEGN I TELVEDAVAHC



**HeLa cells expressing CoralHue® hKO1.**

**CoralHue® KO** is a product of co-development with Dr. Atsushi Miyawaki at the Laboratory for Cell Function and Dynamics, the Brain Science Institute, and the Institute of Physical and Chemical Research (RIKEN).

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