

CXCR1-CXCR2 FISH Probe

Catalog # FA0080 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — CXCR1

Entrez GeneID	3577
Gene Name	CXCR1
Gene Alias	C-C, C-C-CKR-1, CD128, CD181, CDw128a, CKR-1, CMKAR1, IL8R1, IL8RA, IL8RBA
Gene Description	chemokine (C-X-C motif) receptor 1

Omim ID	146929 609423
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq]
Other Designations	receptor alpha interleukin-8 receptor type 1 interleukin-8 receptor type A

Gene Info — CXCR2

Entrez GeneID	3579
Gene Name	CXCR2
Gene Alias	CD182, CDw128b, CMKAR2, IL8R2, IL8RA, IL8RB
Gene Description	chemokine (C-X-C motif) receptor 2
Omim ID	146928
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq]
Other Designations	C-X-C chemokine receptor type 2 CXC-R2 CXCR-2 CXCR2 gene for IL8 receptor type B GRO/MGSA receptor IL-8 receptor type 2 IL-8RB chemokine (CXC) receptor 2 high affinity interleukin-8 receptor B interleukin 8 receptor B interleukin 8 receptor type 2 interl

Pathway

- [Chemokine signaling pathway](#)

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Asthma](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Bacteriuria](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Bronchiectasis](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Conduct Disorder](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Edema](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Kidney Failure](#)
- [Leishmaniasis](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Lymphoproliferative Disorders](#)
- [Lymphoproliferative Disorders](#)
- [Maduromycosis](#)
- [Meningeal Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Neoplasm Invasiveness](#)
- [Obstetric Labor](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Papillomavirus Infections](#)
- [Papillomavirus Infections](#)
- [Periodontal Diseases](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)

- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Disease](#)
- [Pyelonephritis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoma](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Stomach Neoplasms](#)
- [Tuberculosis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Vesico-Ureteral Reflux](#)
- [Viremia](#)

- [Waldenstrom Macroglobulinemia](#)
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- [Werner syndrome](#)
- [Werner syndrome](#)