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**MULTISCREEN™ DIVISION-ARRESTED CELL LINE**
**HUMAN RECOMBINANT B2 RECEPTOR**

**PRODUCT INFORMATION**
- **Catalog Number:** DH1199
- **Lot Number:** DH1199-100515
- **Quantity:** 1 vial (4 x 10^6) frozen cells
- **Freeze Medium:** Sigma Freezing Medium (C-6164)
- **Host cell:** HEK293T
- **Transfection:** Full-length Human BDKRB2 cDNA (GenBank Accession Number NM_000623) with FLAG-tag sequence at the N-terminus
- **Recommended Storage:** Liquid nitrogen upon receiving
- **Propagation Medium:** DMEM, 10% FBS
- **Stability:** Stable for 1-2 days after thawing

**Data sheet**

**Background:** Bradykinin receptor B2 is a G protein-coupled receptor for bradykinin. B2 receptor agonists may have important clinical value in the treatment and prevention of various cardiovascular disorders such as hypertension, ischemic heart disease, left ventricular hypertrophy, ventricular remodeling and congestive heart failure, as well as diabetic disorders by mimicking the reported beneficial effects of bradykinin. Blocking bradykinin B2 receptors after experimental cerebral ischemia reduces brain edema, infarct volume and neuronal necrosis, and improves neurological outcome. Thus, B2 antagonists may be a promising new class of compounds for clinical use after the onset of cerebral ischemia.

**Application:** Functional assays

**Figure 1.** Dose-dependent stimulation of intracellular cAMP level upon treatment with ligand, measured with Multiscreen™ TR-FRET cAMP 1.0 No Wash Assay Kit (Multispan MSCM01).

**References:**

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