Recombinant CHO-K1 cell line with integrated Technology for enhanced production of Human Erythropoietin protein, in Adherent Cells

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Contributor

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Tool details

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Name: Recombinant CHO-K1 cell line with integrated Technology for enhanced production of Human Erythropoietin protein, in Adherent Cells

Alternate name: haematopoietin, or haemopoietin

Class: **Conjugate: Description: Purpose:** Parental cell: CHO-K1 **Organism:** Hamster Tissue: Ovary Model: Gender: **Isotype: Reactivity:** Selectivity: Host: Immunogen: Immunogen UNIPROT ID: Sequence: Growth properties: Production details: The CHO-K1 cells were transduced with the two different lentiviral vectors for stable constitutive expression of 1) Human EPO gene and 2) a ShRNA targeting a specific protease that can cleave the EPO protein. G418 and Puromycin were used for selection of stable clones. The EPO is expressed without any affinity tag and is actively secreted in the culture supernatant. **Formulation:**

Recommended controls: Bacterial resistance: Selectable markers: Additional notes:

Target details

Target: Erythropoietin (EPO)

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Application notes:

Handling

Format: Concentration: Passage number: Growth medium: F12 media supplemented with 10% FBS and 1% of 5000U/ml Penstrep (penicillin G and streptomycin) antibiotic. The cells are grown in a CO2 incubator at 37??°C with 5% CO2. Temperature: 37° C Atmosphere: 5% CO2 Volume: Storage medium: Storage buffer: Storage conditions:

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Related tools

Related tools:

References

References: Cafri et al. 2013. PLoS One. 8(2):e55583. PMID: 23383339.

