



Recombinant Protein Technical Manual

Recombinant Human EPDR1 Protein (His Tag)

RPES4183

Product Data:

Product SKU: RPES4183

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UM22

Protein Information:

Molecular Mass: 22.6 kDa

AP Molecular Mass: 28 & 33 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Mammalian ependymin-related protein 1;EPDR1;Upregulated in colorectal cancer gene 1 protein;MERP1

Immunogen Information:

Sequence: Ala38-Ser223

Background:

EPDR1 is a member of the ependymin family. EPDR1 is a type II transmembrane protein that is similar to two families of cell adhesion molecules, the protocadherins and ependymins. It may play a role in calcium-dependent cell adhesion. EPDR1 is glycosylated, and the orthologous mouse protein is localized to the lysosome. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8.