Human MRP1 Protein, hFc Tag

Cat. No. PME100982

PRODUCT INFORMATION

Target	MRP1
Synonyms	HDMX;MDMX;MRP1
Description	Recombinant human MRP1 protein with C-terminal human Fc tag
Delivery	Under development
Uniprot ID	P33527
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	MRP1(Met1-Phe33) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 56.7 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011]
Usage	Research use only
Conjugate	Unconjugated

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