

Recombinant Human RRM1 Protein (Met1-Pro213), His tagged

Cat. No. RRM1-6205H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RRM1 (Met1-Pro213) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro213
Description	RRM1 is a subunit of ribonucleoside-diphosphate reductase which is constituted by two subunits. Ribonucleoside-diphosphate reductase is an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. RRM1 is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. RRM1 may play a role in malignancies and disease that involve this region.
Form	Lyophilized powder/frozen liquid
Molecular Mass	24.61 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	RRM1 ribonucleotide reductase M1 [Homo sapiens (human)]
Official Symbol	RRM1
Synonyms	RRM1; ribonucleotide reductase M1; ribonucleotide reductase M1 polypeptide; ribonucleoside-diphosphate reductase large subunit; ribonucleotide reductase, R1 subunit; ribonucleotide reductase, large subunit; ribonucleoside-diphosphate reductase subunit M1; R1; RR1; RIR1;
Gene ID	6240
mRNA Refseq	NM_001033
Protein Refseq	NP_001024
MIM	180410
UniProt ID	P23921

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