

Recombinant Human XRCC5, His tagged

Cat. No. XRCC5-1798H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human XRCC5 (P13010) (Met 1-Ile 732), fused with a polyhistidine tag at the N-terminus, constructed the plasmid 1; Human XRCC6 (P12956) (Met 1-Asp 609), fused with a polyhistidine tag at the N-terminus, constructed the plasmid 2. The two plasmids were co-
Species	Human
Source	Insect Cells
ProteinLength	1-732;1-609 a.a.
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.0
Molecular Mass	The recombinant heterodimer of human XRCC5/XRCC5 comprises 1379 (751 + 628) amino acids and has a calculated molecular mass of 157 (85 + 72) kDa. The apparent molecular mass of rh XRCC5/XRCC5 heterodimer is approximately 70 & 85 kDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution.
Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	XRCC5 X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining) [Homo sapiens]
Official Symbol	XRCC5
Gene ID	7520
mRNA Refseq	NM_021141
Protein Refseq	NP_066964
MIM	194364
UniProt ID	P13010

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