

## Recombinant Human XRCC5, His tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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-                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-732;1-609 a.a.                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.0                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                              |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                                                                    |
| <b>Storage</b>          | 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**

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

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