

## Recombinant Human STX5 protein, His-tagged

**Cat. No.** STX5-2524H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human STX5 protein(55-303 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 55-303 aa                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | MSCRDRTQEFLSACKSLQTRQNGIQTNKPALRAVRQRSEFTLMAKRIGKDLSNTFA<br>KLEKLTILAKRKSLFDDKAVEIEELTYIIKQDINSLNKQIAQLQDFVRAKGSQSGRHLQT<br>HSNTIVVSLQSKLASMSNDFKSVLEVVRTENLKQQRSRREQFSRAPVSALPLAPNHLG<br>GGAVVLGAESHASKDVAIDMMDSRTSQQQLQLIDEQDSYIQSRADTMQNIESTIVELG<br>SIFQQLAHVMVKEQEETIQR        |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |

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**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

**GENE INFORMATION**

**Gene Name** STX5 syntaxin 5 [ Homo sapiens ]

**Official Symbol** STX5

**Synonyms** STX5; syntaxin 5; STX5A, syntaxin 5A; syntaxin-5; SED5; syntaxin 5A; STX5A;

**Gene ID** 6811

**mRNA Refseq** NM\_001244666

**Protein Refseq** NP\_001231595

**MIM** 603189

**UniProt ID** Q13190

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