**FUT8 Transfected / Overexpression Cell Lysate Product Information**

**Expressed Host:** Baculovirus-Insect cells

**Products Description:** Baculovirus-Insect Cell lysate that Human FUT8 (aa 68-575) transfected / overexpressed for Western blot (WB) positive control. The whole cell lysate is provided in 1X Sample Buffer (1X modified RIPA buffer+1X SDS loading buffer).

**Sequence information:** A DNA sequence encoding the human FUT8 isoform 1 (Q9BYC5-1) (Arg 68-Lys 575) was fused with a polyhistidine tag at the carboxy-terminus.

**Predicted N Terminal:** Arg 68

**Molecule Mass:** The recombinant human FUT8 consists of 518 amino acids and has a calculated molecular mass of 60 kDa. It migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions.

**Species:** Human

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**FUT8 Transfected / Overexpression Cell Lysate Usage Guide**

**Preparation Method:** Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (Bio-Rad protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.

**Lysis Buffer:** Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.

**Quality Control Testing:** 12.5% SDS-PAGE Stained with Coomassie Blue after protein purification.

**Stability:** Samples are stable for up to twelve months from date of receipt.

**Recommend Usage:**
1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.
2. Re-dissolve the pellet using 200μL pure water and boil for 2-5 min.
3. Store the lyophilized cell lysate at 4°C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80°C.

**Storage Buffer:** 1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).

**Storage Instruction:** Store at 4°C. After re-dissolution, aliquot and store at -80°C.

**Application notes:**
Western blot (WB): Use at an assay dependent dilution.
Other Applications: Not tested.
Optimal dilutions/concentrations should be determined by the end user.