

Human EED / Embryonic Ectoderm Development Protein (His & GST Tag)

Catalog Number: 11307-H20B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

HEED; WAIT1

Protein Construction:

A DNA sequence encoding the human EED (O75530-1) (Met 1-Arg 441) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 93 % as determined by SDS-PAGE

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 -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human EED/GST chimera consists of 678 amino acids and has a calculated molecular mass of 78 kDa. It migrates as an approximately 75-85 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 2mM GSH, 10% gly

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

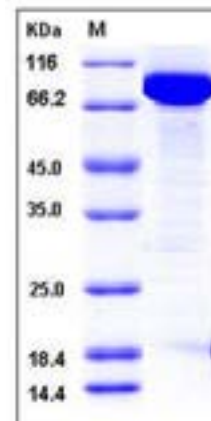
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Ura H, *et al.* (2011) Eed/Sox2 regulatory loop controls ES cell self-renewal through histone methylation and acetylation. *EMBO J.* 30(11): 2190-204. 2.Montgomery ND, *et al.* (2007) Molecular and functional mapping of EED motifs required for PRC2-dependent histone methylation. *J Mol Biol.* 374(5): 1145-57. 3.Jin Q, *et al.* (2003) The protein phosphatase-1 (PP1) regulator, nuclear inhibitor of PP1 (NIPP1), interacts with the polycomb group protein, embryonic ectoderm development (EED), and functions as a transcriptional repressor. *J Biol Chem.* 278(33): 30677-85.

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