

HES2, 1-173aa, Human, His tag, E.coli

Cat.NO.: TP02436

3th Edition

Synonyms: Transcription factor HES-2, bHLHb40, hairy and enhancer of split 2

Description: Hairy and enhancer of split 2, also known as HES2, is a member of the HES family and contains one basic helix-loop-helix (bHLH) domain and one orange domain. The HES family members form a complex with TLE, the mammalian homologue of Groucho, and this interaction is mediated by the carboxy terminal WRPW motif of the HES proteins. Activation of Notch signaling pathway leads to activation of HES family genes through the interaction between Notch intracellular domain and RBPSUH (CSL). HES2 is expressed in a variety of adult and embryonic tissue. Recombinant human HES2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight: 20.9 kDa (196aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMGLPRRAGDAAELRKSLKPLLEKRRRRARINQSLSQLKGLILPLLGRENSNCS
KLEKADVLEMTVRFLQELPASSWPTAAPLPCDSYREGYSACVARLARVLPACRVLEPAVSARLLEHLWRRRAASATL
DGGRAGDSSGSPAPAPAPASAPVPSPSPPCGPGGLWRPW

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.