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32-3951: HES2 Recombinant Protein

Alternative Name : bHLHb40,hairy and enhancer of split 2,Class B basic helix-loop-helix protein 40,HES2.

Description

Source : Escherichia Coli. HES2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 196 amino acids (1-173 a.a.) and having a molecular mass of 20.9kDa.HES2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Hairy and enhancer of split 2 (HES2) belongs to the HES family and comprised of 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 initiates activation of HES family genes throughout the interaction between Notch intracellular domain and RBPSUH (CSL). HES2 is expressed in placenta, pancreatic cancer, colon cancer with RER, cervical cancer, and in head and neck tumors.

Product Info

Amount :	10 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	HES2 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMGLPRRA GDAAELRKSL KPLLEKRRRA RINQSLSQLK GLILPLLGRE NSNCSKLEKA DVLEMTVRFL QELPASSWPT AAPLPCDSYR EGYSACVARL ARVLPACRVL EPAVSARLLE HLWRRAASAT LDGGRAGDSS GPSAPAPAPA SAPEPASAPV PSPPSPPCGP GLWRPW.

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