9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HES2 Human

Hairy and Enhancer of Split 2 Human Recombinant
RCP1010

Product Overview

Name	HES2 Human
Description	
Hairy and Enhancer of Split 2 Human Recombinant	
Accession (Primary)	Q9Y543
Synonyms	
bHLHb40, hairy and enhancer of split 2, Class B basic helix-loop-helix protein 40, HES2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
HES2 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGLPRRA GDAAELRKSL KPLLEKRRRA RINQSLSQLK GLILPLLGRE NSNCSKLEKA DVLEMTVRFL QELPASSWPT AAPLPCDSYR EGYSACVARL ARVLPACRVL EPAVSARLLE HLWRRAASAT LDGGRAGDSS GPSAPAPAPA SAPEPASAPV PSPPSPPCGP GLWRPW.	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

HES2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y543)