

Heart and Neural Crest Derivatives Expressed 1 Human Recombinant

Item Number rAP-3844

Synonyms Heart- And Neural Crest Derivatives-Expressed Protein 1, Extraembryonic Tissues Heart Autonomic Nervous System And Neural Crest Derivatives-Expressed Protein 1, Class A Basic Helix-Loop-Helix Protein 27, BHLHa27, EHAND, Thing1, Hxt.

Description HAND1 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 238 amino acids (1-215) and having a molecular mass of 26.0 kDa. HAND1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Uniprot Accesion Number O96004

Amino Acid Sequence MGSSHHHHHH SSGLVPRGSH MGSMNLVGSY AHHHHHHHHPH PAHPMLHEPF LFGPASRCHQ ERPY-FQSWLL SPADAAPDFP AGGPPPAAAA AATAYGPDAR PGQSPGRLEA LGGRLGRRKG SGPKKERRRT ESINSAFAEL RECIPNVPAD TKLSKIKTLR LATSYIAYLM DVLAKDAQSG DPEAFKAELK KADGGRESKR KRELQQHEGF PPALGPVEKR IKGRTGWPQQ VVALELNQ

Source *E.coli*.

Physical Appearance and Stability Sterile Filtered colorless solution. 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.

Formulation and Purity The HAND1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 90% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**