

32-4788: Recombinant Human Succinate Dehydrogenase Complex Assembly Factor 2

Alternative Name : Succinate dehydrogenase assembly factor 2 mitochondrial, SDH assembly factor 2, Succinate dehydrogenase subunit 5, mitochondrial, hSDH5, SDHAF2, C11orf79, PGL2, SDH5.

Description

Source : Escherichia Coli. SDHAF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (30-166 a.a) and having a molecular mass of 19kDa. SDHAF2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Succinate Dehydrogenase Complex Assembly Factor 2 (SDHAF2) is a mitochondrial protein required for the flavination of a succinate dehydrogenase complex subunit essential for activity of the complex. DHAF2 is necessary for insertion of FAD cofactor into SDHA, the catalytic subunit of succinate dehydrogenase (SDH). SDH is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). SDHAF2 gene defects are the cause of hereditary paragangliomas type 2 (PGL2), otherwise known as familial non-chromaffin paragangliomas type 2.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : SDHAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% glycerol and 1mM DTT.
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 MGSSFRRFYR GDSPTDSQKD MIEIPLPPWQ ERTDESIETK RARLLYESRK RGMLENCILL SLFAKEHLQH MTEKQLNLYD RLINEPSNDW DIYYWATEAK PAPEIFENEV MALLRDFAKN KNKEQRLRAP DLEYLFKPR.

