

**SDHAF2, 30-166aa, Human, His tag, E.coli**

**Cat.NO.: TP03874**

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3th Edition

**Synonyms:**Succinate dehydrogenase assembly factor 2, mitochondrial, C11orf79, PGL2, SDH5

**Description:**SDHAF2 is a mitochondrial protein needed for the flavination of a succinate dehydrogenase complex subunit required for activity of the complex. Defects in SDHAF2 are the cause of hereditary paragangliomas type 2 (PGL2), also known as familial non-chromaffin paragangliomas type 2. Paragangliomas refer to rare and mostly benign tumors that arise from any component of the neuroendocrine system. Recombinant human SDHAF2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT

**Molecular Weight:**19.0kDa (160aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSSFRRFYRGDSPTDSQKDMIEIPLPPWQERTDESIETKRARLLYESRKRGMLE  
NCILLSLFAKEHLQHMTEKQLNLYDRLINEPSNDWDIYYWATEAKPAPEIFENEVMALLRDFAKNKNKEQRLRAPDL  
EYLFKPR

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.