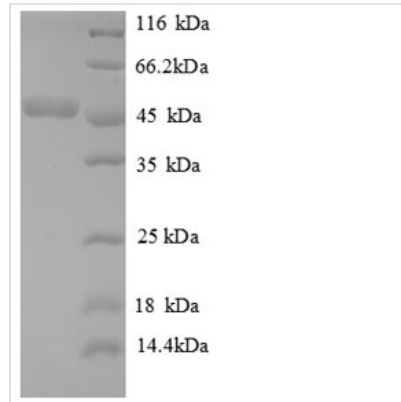




Recombinant Human ATP synthase peripheral stalk subunit OSCP, mitochondrial (ATP5PO)

Product Code	CSB-EP002379HU
Relevance	Mitochondrial mbrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the mbrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core and F0 - containing the mbrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elents.
Abbreviation	Recombinant Human ATP5O protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P48047
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	FAKLVRPPVQVYGIEGRYATALYSAASKQNKLEQVEKELLRVAQILKEPKVAAS VLNPYVKRSIKVKSLNDITAKERFSPLTTNLINLLAENGRLSNTQGVVSAFSTMM SVHRGEVPCTVTSASPLEEATLSELKTVLKSFLSQGQVLKLEAKTDP SILGGMI VRIGEKYVDMSVKTKIQKLG RAMREIV
Research Area	Metabolism
Source	E.coli
Target Names	ATP5O
Expression Region	24-213aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	47.9kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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