

Product datasheet for **TP311107M**

C1orf77 (CHTOP) (NM_015607) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human chromosome 1 open reading frame 77 (C1orf77), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC211107 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MAAQSA PKVVLKSTTKMSLNERTNMLKNKQTPVNIRASMQQQQQLASARNRRLAQQMENRPSVQAALK
LKQKSLKQRLGKSNIQARLGRPIGALARGAIGGRGLPIIQRGLPRGGLRGGRATRTLLRGGMSLRGQNLL
RGGRAVAPRMGLRRGGVGRGGPGRGGLGRGAMGRGGIGGRGRGMIGRGRGGFGGRGRGRGRGALARP
VLTKEQLDNQLDAYMSKTKGHLDAELDAYMAQTDPETND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 26.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_056422](#)

Locus ID: 26097

UniProt ID: [Q9Y3Y2](#)



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RefSeq Size: 2172

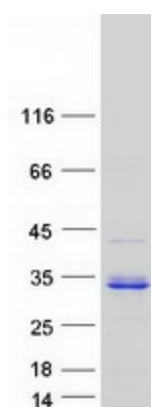
Cytogenetics: 1q21.3

RefSeq ORF: 747

Synonyms: C1orf77; C10orf77; FL-SRAG; FOP; pp7704; SRAG; SRAG-3; SRAG-5

Summary: This gene encodes a small nuclear protein that is characterized by an arginine and glycine rich region. This protein may have an important role in the regulation of fetal globin gene expression and in the activation of estrogen-responsive genes. A recent study reported that this protein binds 5-hydroxymethylcytosine (5hmC) and associates with an arginine methyltransferase complex (methylosome), which promotes methylation of arginine 3 of histone H4 (H4R3) and activation of genes involved in glioblastomagenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2015]

Product images:



Coomassie blue staining of purified CHTOP protein (Cat# [TP311107]). The protein was produced from HEK293T cells transfected with CHTOP cDNA clone (Cat# [RC211107]) using MegaTran 2.0 (Cat# [TT210002]).