

Product datasheet for PH311107

C1orf77 (CHTOP) (NM_015607) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C1orf77 MS Standard C13 and N15-labeled recombinant protein (NP_056422)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211107
Predicted MW:	26.5 kDa
Protein Sequence:	>RC211107 protein sequence Red=Cloning site Green=Tags(s) MAAQSA PKVVLKSTTKMSLNERFTNMLKNKQPTPVNIRASMQQQQQLASARNRRLAQQMENRPSVQAALK LKQKSLKQRLGKSNIQARLGRPIGALARGAIGGRGLPIIQRGLPRGGLRGGRATRLLRGMSLRGQNL RGGRAVAPRMGLRRGGVRRGGPGRGGLGRGAMGRGGIGRGRGMIGRGRGGFGGRRGRGRGRGALARP VLTKEQLDNQLDAYMSKTKGHLDAELDAYMAQTDPETND TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_056422
RefSeq Size:	2172
RefSeq ORF:	747
Synonyms:	C1orf77; C10orf77; FL-SRAG; FOP; pp7704; SRAG; SRAG-3; SRAG-5
Locus ID:	26097
UniProt ID:	Q9Y3Y2

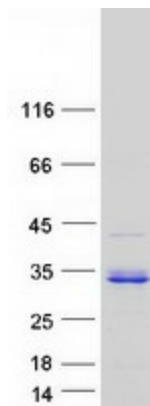


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Cytogenetics: 1q21.3

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]).