

## Product datasheet for **TP308772M**

### FRG1 (NM\_004477) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human FSHD region gene 1 (FRG1), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208772 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAEYSYVKSTKLVLKGTKTTSKSKKSKDKKRKREDEETQLDIVGIWWTVTNFGIEISGTIAIEMDKGTI  
HALDNGLFTLGAPHKEVDEGSPPEQFTAVKLSDSRIALKSGYGKYLGINSDGLVGRSDAIGPREQWEP  
VFQNGKMALLASNSCFIRCNEAGDIEAKSKTAGEEEMIKIRSCAERETKKKDDIPEEDKGNVKQCEINYV  
KKFQSFQDHKLKISKEDSKILKKARKDGFHETLLDRRAKADRYCK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 29 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\\_004468](#)  
**Locus ID:** 2483  
**UniProt ID:** [Q14331](#)



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RefSeq Size: 1053

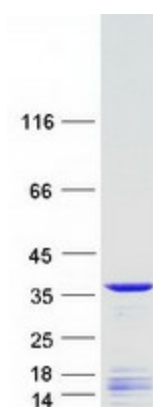
Cytogenetics: 4q35.2

RefSeq ORF: 774

Synonyms: FRG1A; FSG1

**Summary:** This gene maps to a location 100 kb centromeric of the repeat units on chromosome 4q35 which are deleted in facioscapulohumeral muscular dystrophy (FSHD). It is evolutionarily conserved and has related sequences on multiple human chromosomes but DNA sequence analysis did not reveal any homology to known genes. In vivo studies demonstrate the encoded protein is localized to the nucleolus. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified FRG1 protein (Cat# [TP308772]). The protein was produced from HEK293T cells transfected with FRG1 cDNA clone (Cat# [RC208772]) using MegaTran 2.0 (Cat# [TT210002]).