

Recombinant Human C10orf54, His-tagged

Cat. No. C10orf54-837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C10orf54(Met1-Ala194) fused with His tag at C-terminal was expressed in Human Cells.
Species	Human
Source	Human Cells
ProteinLength	1-194 a.a.
Description	C10orf54, also known as Gi24, belongs to the immunoglobulin superfamily. It is a transmembrane molecule expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces. On ESCs, C10orf54 appears to positively interact with BMP-4, potentiating BMP signaling and the transition from an undifferentiated to a differentiated state. On tumor cells, C10orf54 both promotes MT1-MMP expression and activity and serves as a substrate for MT1-MMP. This increases the potential for cell motility. Human C10orf54 undergoes proteolytic cleavage by MT1-MMP, generating a soluble 30 kDa extracellular fragment plus a 25-30 kDa membrane-bound fragment.
Predicted N Terminal	Phe 33
Form	Lyophilized from sterile PBS, pH 7.4
Molecular Mass	The recombinant human Gi24 consists of 173 amino acids and predicts a molecular mass of 19.6 KDa. It migrates as an approximately 38-42 KDa band in SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Usage	FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	C10orf54 chromosome 10 open reading frame 54 [Homo sapiens]
Official Symbol	C10orf54
Synonyms	B7H5; GI24; B7-H5; SISP1; PP2135; platelet receptor Gi24; sisp-1; stress induced secreted protein 1; stress-induced secreted protein-1
Gene ID	64115
mRNA Refseq	NM_022153
Protein Refseq	NP_071436
MIM	615608

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UniProt ID	Q9H7M9
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Chromosome Location	10q22.1
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